



Security Tech Germany

CATALOG 2020

VIDEO IP RANGE

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IP CAMERAS OVERVIEW



	IPCB42510A	IPCB42510B	IPCB42510C	IPCB42515A
	IP Mini Dome 2 MPx (1080p, 2.8 mm)	IP Mini Dome 2 MPx (1080p, 4 mm)	IP Mini Dome 2 MPx (1080p, 6 mm)	IP Mini Dome Wi-Fi 2 MPx (1080p, 2.8 mm)
Resolution	2MPx	2MPx	2MPx	2MPx
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Horizontal angle of view	108°	87°	53°	108°
Lens	Fix	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm	2,8 mm
Aperture at minimum illumination (color)	F1.6	F1.6	F1.6	F1.6
ICR day/night function	✓	✓	✓	✓
Minimum illumination (color)	0.009 lx	0.009 lx	0.009 lx	0.009 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m	10 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-	1 x Mic (built-in), 1 x Audio Out
Alarm input (NO/NC)	-	-	-	1
Alarm output	-	-	-	1
IK protection class	8	8	8	8
IP protection class	66	66	66	66
Compatible with Secvest	✓	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T



	IPCB44510A	IPCB44510B	IPCB44510C
	IP Mini Dome 4 MPx (2.8 mm)	IP Mini Dome 4 MPx (4 mm)	IP Mini Dome 4 MPx (6 mm)
Resolution	4MPx	4MPx	4MPx
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	109°	88°	53°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Aperture at minimum illumination (color)	1.6	1.6	1.6
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.008 lx	0.008 lx	0.008 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	8	8	8
IP protection class	66	66	66
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T



	IPCB72520	IPCB74520	IPCB78520
	IP Dome 2 MPx (1080p, 2.8 - 12 mm)	IP Dome 4 MPx (2.8 - 12 mm)	IP Dome 8 MPx (4K, 2.8 - 12 mm)
Resolution	2MPx	4MPx	8MPx
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	35 – 105°	32 – 114°	35 – 115°
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8 – 12,0 mm	2,8 – 12,0 mm	2,8 – 12,0 mm
Aperture at minimum illumination (color)	F1.4	F1.4	F1.4
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)
Alarm input (NO/NC)	1	1	1
Alarm output	1	1	1
IK protection class	10	10	10
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T



	IPCB72515A	IPCB74515B	IPCB78515A
	IP Dome 2 MPx (1080p, 2.8 mm)	IP Dome 4 MPx (4 mm)	IP Dome 8 MPx (4K, 2.8 mm)
Resolution	2MPx	4MPx	8MPx
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	108°	88°	102°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	2.8 mm
Aperture at minimum illumination (color)	F1.6	F1.6	F2.0
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	-	-	-
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	-	-	-



	IPC62510A	IPC62510B	IPC62510C
	IP Mini Tube 2 MPx (1080p, 2.8 mm)	IP Mini Tube 2 MPx (1080p, 4 mm)	IP Mini Tube 2 MPx (1080p, 6 mm)
Resolution	2MPx	2MPx	2MPx
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Horizontal angle of view	108°	87°	53°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Aperture at minimum illumination (color)	F1.6	F1.6	F1.6
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.009 lx	0.009 lx	0.009 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	-	-	-
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAploxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T

	IPC64510A	IPC64510B	IPC64510C
	IP Mini Tube 4 MPx (2.8 mm)	IP Mini Tube 4 MPx (4 mm)	IP Mini Tube 4 MPx (6 mm)
Resolution	4MPx	4MPx	4MPx
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	109°	88°	53°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Aperture at minimum illumination (color)	F1.6	1.6	F1.6
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.008 lx	0.008 lx	0.008 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265; Dynamic GOP	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	-	-	-
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAploxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T



	IPCB68510A	IPCB68510B	IPCB68510C
	IP Mini Tube 8 MPx (4K, 2.8 mm)	IP Mini Tube 8 MPx (4K, 4 mm)	IP Mini Tube 8 MPx (4K, 6 mm)
Resolution	8MPx	8MPx	8MPx
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	102°	79°	50°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Aperture at minimum illumination (color)	F2.0	F2.0	F2.0
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.01 lx	0.01 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	-	-	-
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T



	IPCB62515A	IPCB64515B	IPCB68515A
	IP Tube 2 MPx (1080p, 2.8 mm)	IP Tube 4 MPx (4 mm)	IP Tube 8 MPx (4K, 2.8 mm)
Resolution	2MPx	4MPx	8 MP
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	108°	88°	102°
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	2.8 mm
Aperture at minimum illumination (color)	F1.6	F1.6	F2.0
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	50 m	50 m	50 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	-	-	-
Alarm input (NO/NC)	-	-	-
Alarm output	-	-	-
IK protection class	10	10	10
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
ONVIF	-	-	-



	IPCB62520	IPCB64520	IPCB68520
	IP Tube 2 MPx (1080p, 2.8 - 12 mm)	IP Tube 4 MPx (2.8 - 12 mm)	IP Tube 8 MPx (4K, 2.8 - 12 mm)
Resolution	2MPx	4MPx	8MPx
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	35 – 105°	32 – 114°	35 – 115°
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8 – 12,0 mm	2,8 – 12,0 mm	2,8 – 12,0 mm
Aperture at minimum illumination (color)	F1.4	F1.4	F2.0
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	50 m	50 m	50 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Audio	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)
Alarm input (NO/NC)	1	1	1
Alarm output	1	1	1
IK protection class	10	10	10
IP protection class	67	67	67
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T

	IPCB64620	IPCB68620	IPCB74615B	IPCB78615A
	IP Tube 4 MPx Black (2.8 - 12 mm)	IP Tube 8 MPx Black (4K, 2.8 - 12 mm)	IP Dome 4 MPx Black (4 mm)	IP Dome 8 MPx Black (4K, 2.8 mm)
Resolution	4MPx	8MPx	4MPx	8MPx
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Horizontal angle of view	32 – 114°	35-115°	88 °°	102°°
Lens	Motor-Zoom	Motor-Zoom	Fix	Fix
Focal length	2,8 – 12,0 mm mm	2,8 – 12,0 mm	4 mm	2,8 mm
Aperture at minimum illumination (color)	F1.4	F1.4	F1.6	F2.0
ICR day/night function	✓	✓	✓	✓
Minimum illumination (color)	0.008 lx	0.01 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0.1 lx	0.1 lx	0.1 lx	0.1 lx
IR range (up to)	50 m	50 m	30 m	30 m
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	-	-
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Functions	Scene Change Detection	Scene Change Detection	Scene Change Detection	Scene Change Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	-	-	microSD card, 256 GB (opt.)	Optional microSD card (up to 256 GB)
Audio	-	2-Way Audio (über Browser, CMS)	-	-
Alarm input (NO/NC)	1	1	-	-
Alarmausgang	1	1	-	-
IK protection class	10	10	10	10
IP protection class	67	67	67	67
Compatible with Secvest	✓	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓	✓
PoE Standard	IEEE 802.3at	IEEE 802.3at	IEEE 802.3af	IEEE 802.3af
ONVIF	-	-	-	-



	IPCA72510	IPCA72515	IPCA78500
	IP Dome 2 MPx (1080p, 3 - 9 mm, 3 x WDR)	IP Dome 2 MPx (1080p, 5 - 50 mm, 3 x WDR)	IP Dome 8 MPx (4K, 4.3 - 8.6 mm)
Resolution	2MPx	2MPx	8MPx
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/1.8" Sony Exmor R™ STARVIS™ CMOS
Horizontal angle of view	35 – 90°	9 – 70°	48 – 95°
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	3.0 - 9.0 mm	5.0 - 50.0 mm	4.3 - 8.6 mm
Aperture at minimum illumination (color)	F1.3 (Wide) / F2.2 (Tele)	F1.6 (Wide) / F1.8 (Tele)	F1.5 (Wide) / F2.4 (Tele)
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.001 lx	0.02 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	20 m	20 m
Backlight compensation	DOL WDR (3X Shutter), WDR (2X Shutter)	DOL WDR (3X Shutter), WDR (2X Shutter)	WDR
Image enhancement	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting
Functions	Scene Change, Cover Detection	Scene Change, Cover Detection	Scene Change, Cover Detection
Video compression	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG
Storage medium	Optional microSD card (max. 256 GB)	Optional microSD card (max. 256 GB)	Optional microSD card (max. 256 GB)
Audio	2-Way, Full-Duplex	2-Way, Full-Duplex	2-Way, Full-Duplex
Alarm input (NO/NC)	1	1	1
Alarm output	1	1	1
IK protection class	10	10	10
IP protection class	66	66	66
Compatible with Secvest	✗	✗	✗
Compatible with wApploxx	✗	✗	✗
PoE	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3
ONVIF	Profile S	Profile S	Profile S

	IPCA62510	IPCA62515	IPCA68500
	IP Tube 2 MPx (1080p, 3 - 9 mm, 3 x WDR)	IP Tube 2 MPx (1080p, 5 - 50 mm, 3 x WDR)	IP Tube 8 MPx (4K, 4.3 - 8.6 mm)
Resolution	2MPx	2MPx	8MPx
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/1.8" Sony Exmor R™ STARVIS™ CMOS
Horizontal angle of view	35 – 90°	9 – 70°	48 – 95°
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	3.0 - 9.0 mm	5.0 - 50.0 mm	4.3 - 8.6 mm
Aperture at minimum illumination (color)	F1.3 (Wide) / F2.2 (Tele)	F1.6 (Wide) / F1.8 (Tele)	F1.5 (Wide) / F2.4 (Tele)
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.001 lx	0.02 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Backlight compensation	DOL WDR (3X Shutter), WDR (2X Shutter)	DOL WDR (3X Shutter), WDR (2X Shutter)	WDR
Image enhancement	DOL WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting
Functions	Scene Change, Cover Detection	Scene Change, Cover Detection	Scene Change, Cover Detection
Video compression	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG
Storage medium	Optional microSD card (max. 256 GB)	Optional microSD card (max. 128 GB)	Optional microSD card (max. 128 GB)
Audio	2-Way, Full-Duplex	2-Way, Full-Duplex	2-Way, Full-Duplex
Alarm input (NO/NC)	1	1	1
Alarm output	1	1	1
IK protection class	10	10	10
IP protection class	67	67	67
Compatible with Secvest	✗	✗	✗
Compatible with wApploxx	✗	✗	✗
PoE	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3
ONVIF	Profile S	-	Profile S



	IPCS62120	IPCS10020	TVIP83900	IPCS24500
	IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)	Dual Flex Encoder	IP Fisheye 3 MPx	IP Fisheye 12 MPx
Resolution	2 MP	-	3MPx	12MPx
Image sensor	1/1.8" Progressive Scan CMOS	-	1/3" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Horizontal angle of view	32 – 92°	-	180 / 360°	180/360°
Lens	Motor-Zoom	-	Fix	Fix
Focal length	2,8 – 12,0 mm	-	1.27 mm	2 mm
Aperture at minimum illumination (color)	F1.4	-	2.8	2,4
ICR day/night function	✓	-	✓	✓
Minimum illumination (color)	0.003 lx	-	0.28 lx	0.04 lx
Minimum illumination (IR)	0 lx	-	0 lx	0 lx
IR range (up to)	50 m	-	15 m	15 m
Backlight compensation	WDR, BLC	BLC, WDR, HLC	BLC	WDR
Image enhancement	WDR, BLC, 3D DNR, Vertical Display, Distortion Correction, EIS Electr. Image Stabilizer	True WDR, BLC, HLC, 3D DNR AWB	WDR, 3D DNR, BLC	3D DNR, WDR, BLC
Video Content Analysis (VCA)	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h, single line plates)	-	-	-
Functions	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h)	-	-	Heat Map
Video compression	Stream 1: H.264, MPEG4, Stream 2: H.264, MPEG4, MJPEG, Stream 3: H.264, MPEG4, MJPEG	H.264, MJPEG, MPEG-4	H.264, MJPEG	H.264, MJPEG
Storage medium	microSD card, 256 GB (opt.)	microSD card, max. 128 GB (optional)	microSD (128 GB)	microSD (128 GB)
Audio	2-Way Audio (Browser, CMS)	1 x Audio-In, 1 x Audio-Out	✓	✓
Alarm input (NO/NC)	1	1	1	1
Alarmausgang	1	-	1	1
IK protection class	-	-	-	10
IP protection class	67	24	24	66
Compatible with Secvest	✗	✗	✗	✗
Compatible with wAppLoxx	✗	✗	✗	✗
PoE Standard	IEEE 802.3at	802.3af	IEEE 802.3af	IEEE 802.3af
ONVIF	-	-	-	-



	IPCS84510	IPCS84530	IPCS84550
	IP Mini PTZ 4 MPx (4x)	IP PTZ 4 MPx (25x)	IP PTZ 4 MPx (32x)
Resolution	4 MP	4MPx	4MPx
Image sensor	1/3" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Horizontal angle of view	31,6-96,7°	2,5-57,6°	2,0-54,3°
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8-12 mm	4,8-120 mm	4,8 - 153 mm
Aperture at minimum illumination (color)	F1.6 – F2.7	F1.6 – F3.5	F1.2 - F4,4
ICR day/night function	✓	✓	✓
Minimum illumination (color)	0.005 lx	0.005 lx	0.005 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	20 m	50 m	150 m
Backlight compensation	WDR	WDR	WDR
Image enhancement	WDR	WDR	WDR
Video Content Analysis (VCA)	Tripwire, Intrusion Detection	Tripwire, Intrusion Detection, Region Enter, Region Exit	Tripwire, Intrusion Detection, Region Enter, Region Exit
Functions	-	Smart Tracking	Smart Tracking
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Storage medium	microSD card, 256 GB (option)	microSD card, 256 GB (option)	microSD card, 256 GB (option)
Audio	2-Way Audio	2-Way Audio	2-Way Audio
Alarm input (NO/NC)	-	-	2
Alarmausgang	-	-	1
IK protection class	10	10	-
IP protection class	66	66	66
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
PoE Standard	IEEE 802.3af	IEEE 802.3at	IEEE 802.3bt
ONVIF	-	-	-

IP CAMERAS BASIC



Item number	IPC42510A	IPC42510B	IPC42510C
Description	IP Mini Dome 2 MPx (1080p, 2.8 mm)	IP Mini Dome 2 MPx (1080p, 4 mm)	IP Mini Dome 2 MPx (1080p, 6 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK08 & IP66) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 4 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK08 & IP66) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 6 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK08 & IP66) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Horizontal angle of view	108°	87°	53°
Minimum illumination (color)	0.009 lx	0.009 lx	0.009 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	625 mA	625 mA	625 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	66	66	66
IK protection class	8	8	8
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps
Dimensions (W x H x D)	100 x 53 x 97 mm	100 x 53 x 97 mm	100 x 53 x 97 mm
Scope of delivery	IP Mini Dome 2 MPx (1080p, 2.8 mm) • Quickstart manual	IP Mini Dome 2 MPx (1080p, 4 mm) • Quickstart manual	IP Mini Dome 2 MPx (1080p, 6 mm) • Quickstart manual
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31450 Wall bracket • TVAC31470 Ceiling mounting frame	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31450 Wall bracket • TVAC31470 Ceiling mounting frame	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31350 Installation box • TVAC31470 Ceiling mounting frame



Item number	IPC42515A
Description	IP Mini Dome Wi-Fi 2 MPx (1080p, 2.8 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK08 & IP66) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) • Wi-Fi, two-way audio, alarm input and output (I/O)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS
Lens	Fix
Focal length	2,8 mm
Horizontal angle of view	108°
Optical zoom	-
Minimum illumination (color)	0.009 lx
Minimum illumination (IR)	0 lx
IR range (up to)	10 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T
Encryption	HTTPS
Alarming	E-Mail, NAS, FTP
Audio	1 x Mic (built-in), 1 x Audio Out
Connections	1 x RJ45, 1 x DC, 1 x Audio out, 1 x Alarm in, 1 x Alarm out
Storage medium	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V
AC voltage supply	-
Power consumption	625 mA
PoE	IEEE 802.3af
IP protection class	66
IK protection class	8
Min. operating temperature	-30° C
Max. operating temperature	60° C
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps
Dimensions (W x H x D)	100 x 53 x 97 mm
Scope of delivery	IP Mini Dome Wi-Fi 2 MPx (1080p, 2.8 mm) • Quickstart manual
Required accessories	TVAC31460X Installation box black
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31450 Wall bracket • TVAC31470 Ceiling mounting frame



Item number	IPC44510A	IPC44510B	IPC44510C
Description	IP Mini Dome 4 MPx (2.8 mm)	IP Mini Dome 4 MPx (4 mm)	IP Mini Dome 4 MPx (6 mm)
	<ul style="list-style-type: none"> 4 MPx Resolution: 2.688 x 1.520 @ 30 fps 2.8 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK08 & IP66) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> 4 MPx Resolution: 2.688 x 1.520 @ 30 fps 4 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK08 & IP66) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> 4 MPx Resolution: 2.688 x 1.520 @ 30 fps 6 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK08 & IP66) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Horizontal angle of view	109°	88°	53°
Optical zoom	-	-	-
Minimum illumination (color)	0.008 lx	0.008 lx	0.008 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	700 mA	700 mA	700 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	66	66	66
IK protection class	8	8	8
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	100 x 53 x 97 mm	100 x 53 x 97 mm	100 x 53 x 97 mm
Scope of delivery	IP Mini Dome 4 MPx (2.8 mm) · Quickstart manual	IP Mini Dome 4 MPx (4 mm) · Quickstart manual	IP Mini Dome 4 MPx (6 mm) · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31450 Wall bracket · TVAC31470 Ceiling mounting frame		



Item number	IPC62510A	IPC62510B	IPC62510C
Description	IP Mini Tube 2 MPx (1080p, 2.8 mm)	IP Mini Tube 2 MPx (1080p, 4 mm)	IP Mini Tube 2 MPx (1080p, 6 mm)
	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 2.8 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Weather protected housing (IP67) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 4 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Weather protected housing (IP67) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 6 mm fixed lens Ultra low-light performance for excellent results in low-light environments 120 dB WDR function to compensate for image contrasts Weather protected housing (IP67) IR LEDs (range up to 10m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Horizontal angle of view	108°	87°	53°
Optical zoom	-	-	-
Minimum illumination (color)	0.009 lx	0.009 lx	0.009 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	550 mA	550 mA	550 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
IK protection class	-	-	-
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps
Dimensions (W x H x D)	74 x 74 x 155 mm	74 x 74 x 155 mm	74 x 74 x 155 mm
Scope of delivery	IP Mini Tube 2 MPx (1080p, 2.8 mm) · Quickstart manual	IP Mini Tube 2 MPx (1080p, 4 mm) · Quickstart manual	IP Mini Tube 2 MPx (1080p, 6 mm) · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31480 Installation box · TVAC41120 MicroSD card, 128 GB		



Item number	IPCB64510A	IPCB64510B	IPCB64510C
Description	IP Mini Tube 4 MPx (2.8 mm)	IP Mini Tube 4 MPx (4 mm)	IP Mini Tube 4 MPx (6 mm)
	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 2.8 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 4 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 6 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Horizontal angle of view	109°	88°	53°
Optical zoom	-	-	-
Minimum illumination (color)	0.008 lx	0.008 lx	0.008 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Video compression	Stream 1: H.264, H.265, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265; Dynamic GOP	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	585 mA	550 mA	550 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
IK protection class	-	-	-
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	74 x 74 x 155 mm	74 x 74 x 155 mm	74 x 74 x 155 mm
Scope of delivery	IP Mini Tube 4 MPx (2.8 mm) · Quickstart manual	IP Mini Tube 4 MPx (4 mm) · Quickstart manual	IP Mini Tube 4 MPx (6 mm) · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31480 Installation box · TVAC41120 MicroSD card, 128 GB		



Item number	IPCB68510A	IPCB68510B	IPCB68510C
Description	IP Mini Tube 8 MPx (4K, 2.8 mm)	IP Mini Tube 8 MPx (4K, 4 mm)	IP Mini Tube 8 MPx (4K, 6 mm)
	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 4 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 6 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 10m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	6 mm
Horizontal angle of view	102°	79°	50°
Optical zoom	-	-	-
Minimum illumination (color)	0.01 lx	0.01 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	10 m	10 m	10 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	625 mA	625 mA	625 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
IK protection class	-	-	-
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	3840 x 2160 @ 20 fps	3840 x 2160 @ 20 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	74 x 74 x 155 mm	74 x 74 x 155 mm	74 x 74 x 155 mm
Scope of delivery	IP Mini Tube 8 MPx (4K, 2.8 mm) · Quickstart manual	IP Mini Tube 8 MPx (4K, 4 mm) · Quickstart manual	IP Mini Tube 8 MPx (4K, 6 mm) · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31480 Installation box · TVAC41120 MicroSD card, 128 GB		



Item number	IPCB72515A	IPCB74515B	IPCB78515A
Description	IP Dome 2 MPx (1080p, 2.8 mm)	IP Dome 4 MPx (4 mm)	IP Dome 8 MPx (4K, 2.8 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 4 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Weather protected housing (IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	2.8 mm
Horizontal angle of view	108°	88°	102°
Optical zoom	-	-	-
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	-	-	-
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	550 mA	500 mA	750 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
IK protection class	-	-	-
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	2688 x 1520 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	143 x 100 x 143 mm	143 x 100 x 143 mm	143 x 100 x 143 mm
Scope of delivery	Universal IP Dome · Quickstart manual	Universal IP Dome · Quickstart manual	Universal IP Dome · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31320 Wall mount bracket		



Item number	IPCB74615B	IPCB78615A
Description	IP Dome 4 MPx Black (4 mm)	IP Dome 8 MPx Black (4K, 2.8 mm)
	<ul style="list-style-type: none"> • 4 MPx resolution: 2,688 x 1,520 @ 30 fps • 4 mm fixed lens • Ultra low-light performance for excellent Dim lighting results • 120 dB WDR function to compensate for image contrasts • Vandal and weatherproof housing (IK10 & IP67) • IR LEDs (up to 30m range) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 20 fps • 2.8 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Vandal and weatherproof housing (IK10 & IP67) • IR LEDs (up to 30m range) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix
Focal length	4 mm	2,8 mm
Horizontal angle of view	88 °°	102°°
Optical zoom	-	-
Minimum illumination (color)	0.008 lx	0.01 lx
Minimum illumination (IR)	0.1 lx	0.1 lx
IR range (up to)	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	-	-
ONVIF	-	-
Encryption	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	Optional microSD card (up to 256 GB)
DC voltage supply	12 (+/-10 %) V V	12 (+/-10 %) V V
AC voltage supply	-	-
Power consumption	500 mA	750 mA
PoE Standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
IK protection class	10	10
Min. operating temperature	-30° C	-30° C
Max. operating temperature	60° C	60° C
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	143 x 100 x 143 mm	143 x 100 x 143 mm
Scope of delivery	IP Dome 4MPx · Quick guide	Dome 8MPx black · Quick Guide
Required accessories	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31320X Wall mount bracket black	



Item number	IPCB62515A	IPCB68515A	IPCB64515B
Description	IP Tube 2 MPx (1080p, 2.8 mm)	IP Tube 8 MPx (4K, 2.8 mm)	IP Tube 4 MPx (4 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 mm fixed lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3at) 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3at) 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 4 mm fixed lens • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3at)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	2.8 mm	4 mm
Horizontal angle of view	108°	102°	88°
Optical zoom	-	-	-
Minimum illumination (color)	0.005 lx	0.01 lx	0.008 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	50 m	50 m	50 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	-	-	-
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	750 mA	792 mA	792 mA
PoE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
IP protection class	67	67	67
IK protection class	10	10	10
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	3840 x 2160 @ 20 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	160 x 160 x 390 mm	160 x 160 x 390 mm	160 x 160 x 390 mm
Scope of delivery	Universal IP Tube · Quickstart manual	Universal IP Tube · Quickstart manual	Universal IP Tube · Quickstart manual
Required accessories	-	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31350 Installation box · TVAC31381 Pole mount		



Item number	IPCB72520	IPCB74520	IPCB78520
Description	IP Dome 2 MPx (1080p, 2.8 - 12 mm)	IP Dome 4 MPx (2.8 - 12 mm)	IP Dome 8 MPx (4K, 2.8 - 12 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 30m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm	2,8 - 12,0 mm
Horizontal angle of view	35 - 105°	32 - 114°	35 - 115°
Optical zoom	4.2 x	4.2 x	4,2 x
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)
Connections	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	750 mA	1045 mA	1075 mA
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
IK protection class	10	10	10
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	2688 x 1520 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	143 x 100 x 143 mm	143 x 100 x 143 mm	143 x 100 x 143 mm
Scope of delivery	IP Dome 2 MPx (1080p, 2.8 - 12 mm) · Quickstart manual	IP Dome 4 MPx (2.8 - 12 mm) · Quickstart manual	IP Dome 8 MPx (4K, 2.8 - 12 mm) · Quickstart manual
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ · NVR10010 5-Channel Network Video Recorder (NVR) · TVAC31340 Wall bracket · TVAC31420 Adapter for ceiling mount		



Item number	IPCB62520	IPCB64520	IPCB68520
Description	IP Tube 2 MPx (1080p, 2.8 - 12 mm)	IP Tube 4 MPx (2.8 - 12 mm)	IP Tube 8 MPx (4K, 2.8 - 12 mm)
	<ul style="list-style-type: none"> • 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm	2,8 - 12,0 mm
Horizontal angle of view	35 - 105°	32 - 114°	35 - 115°
Optical zoom	4.2 x	4.2 x	4.2 x
Minimum illumination (color)	0.005 lx	0.008 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	50 m	50 m	50 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)	2-Way Audio (Browser, CMS)
Connections	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
AC voltage supply	-	-	-
Power consumption	1375 mA	1200 mA	1500 mA
PoE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
IP protection class	67	67	67
IK protection class	10	10	10
Min. operating temperature	-30° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	2688 x 1520 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	160 x 160 x 390 mm	160 x 160 x 390 mm	160 x 160 x 390 mm
Scope of delivery	IP Tube 2 MPx (1080p, 2.8 - 12 mm) • Quickstart manual	IP Tube 4 MPx (2.8 - 12 mm) • Quickstart manual	IP Tube 8 MPx (4K, 2.8 - 12 mm) • Quickstart manual
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31350 Installation box • TVAC31381 Pole mount		



Item number	IPCB64620	IPCB68620
Description	IP Tube 4 MPx Black (2.8 - 12 mm)	IP Tube 8 MPx Black (4K, 2.8 - 12 mm)
	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.688 x 1.520 @ 30 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3at) • colour black 	<ul style="list-style-type: none"> • 8 MPx (4K) Resolution: 3.840 x 2.160 @ 20 fps • 2.8 - 12 mm motor zoom lens • Ultra low-light performance for excellent results in low-light environments • 120 dB WDR function to compensate for image contrasts • Vandalism and weather protected housing (IK10 & IP67) • IR LEDs (range up to 50m) • Supports H.264, H.265, MJPEG (incl. dynamic GOP) • microSD card slot for internal data storage • 12 V DC & PoE (802.3at) • colour black
Resolution modes	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps	Stream 1: 3.840 x 2.160 @ 20 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm mm	2,8 - 12,0 mm
Horizontal angle of view	32 - 114°	35-115°
Optical zoom	4.2 x	4.2 x
Minimum illumination (color)	0.008 lx	0.01 lx
Minimum illumination (IR)	0.1 lx	0.1 lx
IR range (up to)	50 m	50 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection	Tripwire Detection, Intrusion Detection
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display	WDR, BLC, HLC, 3D DNR, Vertical Display
ONVIF	-	-
Encryption	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	2-Way Audio (über Browser, CMS)
Connections	-	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output
Storage medium	-	-
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V V
AC voltage supply	-	-
Power consumption	1200 mA	1500 mA
PoE Standard	IEEE 802.3at	IEEE 802.3at
IP protection class	67	67
IK protection class	10	10
Min. operating temperature	-30° C	-30° C
Max. operating temperature	60° C	60° C
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	160 x 160 x 390 mm	160 x 160 x 390 mm
Scope of delivery	IP Tube 4 MPx (2,8-12 mm) • Quick guide	Tube 8 MPx (4K, 2,8 - 12 mm) • Quick guide
Required accessories	-	-
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31350X Installation box black • TVAC31381X Pole mount black	

IP CAMERAS ADVANCED



Item number	IPCA72510	IPCA72515	IPCA78500
Description	IP Dome 2 MPx (1080p, 3 - 9 mm, 3 x WDR)	IP Dome 2 MPx (1080p, 5 - 50 mm, 3 x WDR)	IP Dome 8 MPx (4K, 4.3 - 8.6 mm)
	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 3 - 9 mm motor zoom lens Ultra low-light performance for excellent results in low-light environments 150 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP66) IR LEDs (range up to 30m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) 	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 5 - 50 mm Tamron motor zoom lens Ultra low-light performance for excellent results in low-light environments 150 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP66) IR LEDs (range up to 30m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) 	<ul style="list-style-type: none"> 8 MPx (4K) Resolution: 3.840 x 2.160 @ 30 fps 4.3 - 8.6 mm motor zoom lens IR LEDs (range up to 30m) Modular housing design Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 120 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP66)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 360 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps (WDR 2x) / 640 x 360 @ 25 fps (WDR 3x)	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 360 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps (WDR 2x) / 640 x 360 @ 25 fps (WDR 3x)	Stream 1: 3.840 x 2.160 @ 25 fps, Stream 2-3: 1.280x720 @ 25 fps
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/1.8" Sony Exmor R™ STARVIS™ CMOS
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	3.0 - 9.0 mm	5.0 - 50.0 mm	4.3 - 8.6 mm
Horizontal angle of view	35 - 90°	9 - 70°	48 - 95°
Optical zoom	3x	10x	2x
Minimum illumination (color)	0.001 lx	0.02 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	20 m	20 m
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting
Video compression	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG
Image enhancement	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker
ONVIF	Profile S	Profile S	Profile S
Encryption	HTTPS, TLS, RTSP/TLS, JSON Web Token	HTTPS, TLS, RTSP/TLS, JSON Web Token	HTTPS, TLS, RTSP/TLS, JSON Web Token
Alarming	E-Mail, FTP, NAS, Alarm output	E-Mail, FTP, NAS, Alarm output	E-Mail, FTP, NAS, Alarm output
Audio	2-Way, Full-Duplex	2-Way, Full-Duplex	2-Way, Full-Duplex
Connections	1 x RJ45, 1 x AC/DC, 1 x micro USB, 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In	1 x RJ45, 1 x AC/DC, 1 x micro USB, 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In	1 x RJ45, 1 x AC/DC, 1 x micro USB, 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In
Storage medium	Optional microSD card (max. 256 GB)	Optional microSD card (max. 256 GB)	Optional microSD card (max. 256 GB)
DC voltage supply	12 V	12 V	12 V
AC voltage supply	24 V	24 V	24 V
Power consumption	850 mA	850 mA	850 mA
PoE	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3
IP protection class	66	66	66
IK protection class	10	10	10
Min. operating temperature	-25° C	-25° C	-25° C
Max. operating temperature	55° C	55° C	55° C
Other features	-	-	-
Compatible with Secvest	No	No	No
Compatible with wAppLoxx	No	No	No
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps	3.840 x 2.160 @ 30 fps
Dimensions (W x H x D)	111 x 140 x 140 mm	111 x 140 x 140 mm	111 x 140 x 140 mm
Scope of delivery	IP Dome 2 MPx (1080p, 3 - 9 mm, 3 x WDR) • Quickguide • 4 x Cable plug • In-ceiling mount	IP Dome 2 MPx (1080p, 5 - 50mm, 3 x WDR) • Quickguide • 4 x Cable plug • In-ceiling mount	IP Dome 8 MPx (4K, 4.3 - 8.6 mm) • Quickguide • 4 x Cable plug • In-ceiling mount
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31311 Wall Mount Bracket • TVAC31094 Tinted Dome for IPCA72510, IPCA72515 and IPCA78500		



Item number	IPCA62510	IPCA62515	IPCA68500
Description	IP Tube 2 MPx (1080p, 3 - 9 mm, 3 x WDR)	IP Tube 2 MPx (1080p, 5 - 50 mm, 3 x WDR)	IP Tube 8 MPx (4K, 4.3 - 8.6 mm)
	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 3 - 9 mm Tamron motor zoom lens Ultra low-light performance for excellent results in low-light environments 150 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP67) IR LEDs (range up to 30m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) 	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1.080 @ 30 fps 5 - 50 mm Tamron motor zoom lens Ultra low-light performance for excellent results in low-light environments 150 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP67) IR LEDs (range up to 30m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) 	<ul style="list-style-type: none"> 8 MPx (4K) Resolution: 3.840 x 2.160 @ 30 fps 4.3 - 8.6 mm motor zoom lens IR LEDs (range up to 30m) Supports H.264, H.265, MJPEG (incl. dynamic GOP) microSD card slot for internal data storage 120 dB WDR function to compensate for image contrasts Vandalism and weather protected housing (IK10 & IP67) 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 360 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps (WDR 2x) / 640 x 360 @ 25 fps (WDR 3x)	Stream 1: 1.920 x 1.080 @ 25 fps, Stream 2: 640 x 360 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps (WDR 2x) / 640 x 360 @ 25 fps (WDR 3x)	Stream 1: 3.840 x 2.160 @ 25 fps, Stream 2-3: 1.280x720 @ 25 fps
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/2.8" Sony Exmor R™ STARVIS™ CMOS	1/1.8" Sony Exmor R™ STARVIS™ CMOS
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	3.0 - 9.0 mm	5.0 - 50.0 mm	4.3 - 8.6 mm
Horizontal angle of view	35 - 90°	9 - 70°	48 - 95°
Optical zoom	3x	10x	2x
Minimum illumination (color)	0.001 lx	0.02 lx	0.01 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG	Stream 1-3: H.264, H.265, Main/High/Baseline Profile, Dynamic GOP, MJPEG
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting	Tripwire, Intrusion Detection, Human Detection, Object Counting
Image enhancement	DOL WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	DOL WDR, WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker	WDR, BLC, 3D DNR, Vertical Display, Privacy Mask, Anti-Flicker
ONVIF	Profile S	-	Profile S
Encryption	HTTPS, TLS, RTSP/TLS, JSON Web Token	HTTPS, TLS, RTSP/TLS, JSON Web Token	HTTPS, TLS, RTSP/TLS, JSON Web Token
Alarming	E-Mail, FTP, NAS, Alarm output	E-Mail, FTP, NAS, Alarm output	E-Mail, FTP, NAS, Alarm output
Audio	2-Way, Full-Duplex	2-Way, Full-Duplex	2-Way, Full-Duplex
Connections	1 x RJ45, 1 x AC/DC, 1 x micro USB (Service), 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In	1 x RJ45, 1 x AC/DC, 1 x micro USB, 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In	1 x RJ45, 1 x AC/DC, 1 x micro USB, 1 x Alarm input, 1 x Alarm output, 1 x Audio Out, 1 x Audio In
Storage medium	Optional microSD card (max. 256 GB)	Optional microSD card (max. 128 GB)	Optional microSD card (max. 128 GB)
DC voltage supply	12 V	12 V	12 V
AC voltage supply	24 V	24 V	24 V
Power consumption	1000 mA	1000 mA	1000 mA
PoE	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3	IEEE 802.3af (PoE), class 3
IP protection class	67	67	67
IK protection class	10	10	10
Min. operating temperature	-25° C	-25° C	-25° C
Max. operating temperature	55° C	55° C	55° C
Other features	-	-	-
Compatible with Secvest	No	No	No
Compatible with wAppLoxx	No	No	No
Max. resolution @ frame rate	1920 x 1080 @ 30 fps	1920 x 1080 @ 30 fps	3840 x 2160 @ 30 fps
Dimensions (W x H x D)	89 x 87 x 287 mm	89 x 84 x 287 mm	89 x 84 x 287 mm
Scope of delivery	IP Tube 2 MPx (1080p, 3 - 9 mm, 3 x WDR) • Quickguide • 4 x Cable plug • Junction box	IP Tube 2 MPx (1080p, 5 - 50 mm, 3 x WDR) • Quickguide • 4 x Cable plug • Connection box	IP Tube 8 MPx (4K, 4.3 - 8.6 mm) • Quickguide • 4 x Cable plug • Junction box
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TVAC31381 Pole mount • TVAC41120 MicroSD card, 128 GB		

IP CAMERAS SPECIAL



IPCS24500

Item number	IPCS62120	TVIP83900	IPCS24500
Description	IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)	IP Fisheye 3 MPx	IP Fisheye 12 MPx
Resolution modes	<ul style="list-style-type: none"> 2 MPx (Full HD 1080p) resolution: 1920 x 1080 @ 50 fps 2.8 - 12 mm motorised zoom lens Optimised for number plate recognition 120 dB WDR function to compensate for image contrasts Vandalism and weatherproof IP67 rugged housing IR LEDs (up to 50-m range) 	<ul style="list-style-type: none"> 360°/180° panorama views with up to 3 MPx resolution 3 MPx Resolution: 2.048 x 1.536 @ 25 fps 4 live image modes for different monitoring scenarios WDR Digital, stageless panning, tilting or zooming without 	<ul style="list-style-type: none"> 360°/180° panoramic views with up to 12 MPx resolution 12 MPx Resolution: 4.000 x 3.072 @ 20 fps 4 live image modes for different monitoring scenarios DWDR Vandalism and weather protected housing (IK10 & IP66)
Image sensor	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Lens	Motor-Zoom	Fix	Fix
Focal length	2,8 - 12,0 mm	1.27 mm	2 mm
Horizontal angle of view	32 - 92°	180 / 360°	180/360°
Optical zoom	4,2 x	-	-
Digital zoom	Yes	ePTZ	ePTZ
Pan/tilt area	-	360°/80° (ePTZ)	360°/80° (ePTZ)
Minimum illumination (color)	0.003 lx	0.28 lx	0.04 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	50 m	15 m	15 m
Video compression	Stream 1: H.264, MPEG4, Stream 2: H.264, MPEG4, MJPEG, Stream 3: H.264, MPEG4, MJPEG	H.264, MJPEG	H.264, MJPEG
Video Content Analysis (VCA)	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h, single line plates)	-	-
Image enhancement	WDR, BLC, 3D DNR, Vertical Display, Distortion Correction, EIS Electr. Image Stabilizer	WDR, 3D DNR, BLC	3D DNR, WDR, BLC
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	Yes	Yes
Audio	2-Way Audio (Browser, CMS)	Yes	Yes
Connections	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output	1 x RJ45, 1 x DC, 1 x Alarm-In, 1 x Alarm-Out, 1 x Audio-In, 1 x Audio-Out	1 x RJ45, 1 x DC, 1 x Alarm-In, 1 x Alarm-Out, 1 x Audio-In, 1 x Audio-Out
Storage medium	microSD card, 256 GB (opt.)	microSD (128 GB)	microSD (128 GB)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	12 (+/-10 %) V
Power consumption	1200 mA	950 mA	950 mA
PoE Standard	IEEE 802.3at	IEEE 802.3af	IEEE 802.3af
IP protection class	67	24	66
IK protection class	-	-	10
Min. operating temperature	-30° C	10° C	-25° C
Other features	Black/White List (max. 2048 number plates)	-	Heat Map
Max. operating temperature	60° C	60° C	60° C
Compatible with Secvest	No	No	No
Compatible with wAppLoxx	No	No	No
Max. resolution @ frame rate	1920 x 1080 @ 50/60 fps	2048 x 1536 @ 25 fps	4000 x 3072 @ 20 fps
Dimensions (W x H x D)	160 x 160 x 390 mm	164 x 44 x 153 mm	164 x 44 x 164 mm
Scope of delivery	IP Tube 2 MPx (1080p, 2.8 - 12 mm) • Safety information	IP Fisheye 3 MPx • Installation CD-ROM • Quickstart manual	12 MPx IP fisheye camera • Quickstart manual
Recommended accessories	TVAC31350 Installation box • TVAC31381 Pole mount	TVAC31280 Installation • TVAC31290 Installation Box	TVAC31290 Installation Box • TVAC31280 Installation Box



Item number	IPCS84510	IPCS84530	IPCS84550
Description	IP Mini PTZ 4 MPx (4x)	IP PTZ 4 MPx (25x)	IP PTZ 4 MPx (32x)
Resolution modes	<ul style="list-style-type: none"> 4 MPx resolution: 2688 x 1440 @ 25 fps 4x optical zoom, 16x digital zoom Ultra Low-Light Performance für hervorragende Ergebnisse bei schwacher Beleuchtung 120 dB WDR function to compensate for image contrasts Electronic image stabiliser (EIS) Weatherproof housing (IP66), shock resistance level (IK10) IR LEDs (up to 20-m range) Supports H.264, H.265, MJPEG (incl. dynamic GOP) MicroSD card slot for internal data storage 24 V AC & PoE (802.3af) 	<ul style="list-style-type: none"> 4 MPx Resolution: 2.560 x 1.440 @ 25 fps 25x motor zoom lens (4.8-120 mm) Ultra low-light performance for excellent low-light environments 120 dB WDR function to compensate for image contrasts Electronic Image Stabilizer (EIS) Weather protected housing (IP66) IR LEDs (range up to 50m) Supports H.264, H.265, MJPEG (including dynamic GOP) microSD card slot for internal data storage 24V AC & PoE (802.3at) 	<ul style="list-style-type: none"> 4 MPx Resolution: 2.560 x 1.440 @ 25 fps 32x motor zoom lens (4.8-153 mm) Ultra low-light performance for excellent low-light environments 120 dB WDR function to compensate for image contrasts Electronic Image Stabilizer (EIS) Weather protected housing (IP66) IR LEDs (range up to 150m) Supports H.264, H.265, MJPEG (including dynamic GOP) microSD card slot for internal data storage 24V AC & PoE (802.3bt)
Image sensor	1/3" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom	Motor-Zoom
Focal length	2,8-12 mm	4,8-120 mm	4,8 - 153 mm
Horizontal angle of view	31,6-96,7°	2,5-57,6°	2,0-54,3°
Optical zoom	4x	25x	32 x
Digital zoom	16 x	16 x	16 x
Pan/tilt area	355°/0°-90°	360°/-5°-90°	360°/-15°-90°
Minimum illumination (color)	0.005 lx	0.005 lx	0.005 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	20 m	50 m	150 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire, Intrusion Detection	Tripwire, Intrusion Detection, Region Enter, Region Exit	Tripwire, Intrusion Detection, Region Enter, Region Exit
Image enhancement	WDR	WDR	WDR
Encryption	HTTPS	HTTPS	HTTPS
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP, Relay
Audio	2-Way Audio	2-Way Audio	2-Way Audio
Connections	-	-	-
Storage medium	microSD card, 256 GB (option)	microSD card, 256 GB (option)	microSD card, 256 GB (option)
DC voltage supply	12 (+/-10 %) V	12 (+/-10 %) V	-
AC voltage supply	-	-	24 (+/-10 %) V
PoE Standard	IEEE 802.3af	IEEE 802.3at	IEEE 802.3bt
IP protection class	66	66	66
IK protection class	10	10	-
Min. operating temperature	-20° C	-30° C	-30° C
Max. operating temperature	60° C	60° C	60° C
Other features	Auto Backup Recording	Smart Tracking, Auto Backup Recording	Smart Tracking, Auto Backup Recording
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Max. resolution @ frame rate	2560 x 1440 @ 25 fps	2560 x 1440 @ 25 fps	2560 x 1440 @ 25 fps
Dimensions (H x Ø)	101.7 x 130.7 mm	161 x 169 mm	330 x 185 mm
Scope of delivery	IP Mini PTZ 4 MPx (4x) • Quick Guide	IP Midi PTZ 4 MPx (25x) • Quick Guide	IP PTZ 4 MPx (32x) • Quick guide
Recommended accessories	TVAC31215 Wall Mount for IPCS84510 • TVAC31285 Ceiling Mount for IPCS84510	TVAC31205 Wall Mount • TVAC31245 Installation box • TVAC31235 Corner Mount for IPCS84530 • TVAC31275 Ceiling mount frame for IPCS84530	TVAC25005 PoE Injector, 60 W • TVAC31201 Long Wall Mount • TVAC31221 Pole Mount incl. Long Wall Mount • TVAC31231 Corner Mount incl. Long Wall Mount



Supplied without lens



Item number	IPCA53000	IPCS10020
Description	Universal IP Boxtype 3 MPx	Dual Flex Encoder
	<ul style="list-style-type: none"> • 3 megapixel resolution: 2048 x 1536 @ 25 fps • True WDR function to compensate for high image contrasts (120 dB) • Integrated auto back focus (ABF) function for simplified installation • Integrated video content analysis (VCA) (e.g. tripwire detection, intrusion detection, object counting) • Vertical display mode for effective hallway surveillance • Integrated microSD card slot for edge recording • Integrated ROI function that saves on bandwidth and storage space • Automatic backup recording to ensure uninterrupted recording • For use in adverse environmental conditions thanks to its weatherproof housing (TVAC70200) 	<ul style="list-style-type: none"> • HD 720p resolution: 1280 x 720 @ 25 fps • Two camera modules can be connected • microSD card slot for internal data storage up to 128 GB • WDR function to compensate high image contrasts (on one channel) • Two-way audio, alarm input and output (I/O) • Power over Ethernet (PoE)

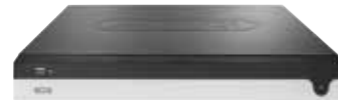
Resolution modes	2048 x 1536, 1920 x 1080, 1280 x 720, 704 x 576, 320 x 240 pixel	1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288 pixel
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	-
Video compression	H.264, MJPEG	H.264, MJPEG, MPEG-4
VCA	Tripwire Detection, Intrusion Detection, Face Detection, Object Counting	-
Image enhancement	True WDR, BLC, HLC, 3D DNR, 2D DNR, AWB, Vertical Display, Defog, 50 fps, Region of Interest	True WDR, BLC, HLC, 3D DNR AWB
ONVIF	-	-
Encryption	HTTPS	-
Alarming	E-Mail, FTP, NAS, Relay	E-Mail, FTP, Relais
Audio	2-Way Audio (Browser, CMS)	1 x Audio-In, 1 x Audio-Out
Connections	1 x RJ45, 1 x DC/AC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output, 1 x RS485 output	2 x Video-In, 1 x RJ45, RS-485, RS-232, Audio-In, Audio-Out, Alarm-In, Alarm-Out
Storage medium	microSD card, 128 GB (option)	microSD card, max. 128 GB (optional)
DC voltage supply	12 (+/-10 %) V	12 (+/-10%) V
Power consumption	750 mA	600 mA
PoE	IEEE 802.3af	802.3af
IP protection class	24	24
IK protection class	-	-
Min. operating temperature	-30° C	-10° C
Max. operating temperature	60° C	50° C
Compatible with Secvest	Yes	No
Compatible with wAppLoxx	Yes	No
Max. resolution @ frame rate	2048 x 1536 @ 45 fps	1280 x 720 @ 25 fps
Dimensions (W x H x D)	150 x 110 x 230 mm	78 x 32 x 105 mm
Scope of delivery	Universal IP Boxtype 3MPx • Installation CD • Quickstart guide	Dual-Flex-Encoder • Installation CD • Quickguide
Required accessories	TVAC65502 1/2.7" IR Vario Megapixel Lens 2.8 – 10 mm • TVAC65600 1/2.7" IR Vario Megapixel Lens 12.5 – 50.0 mm	IPCS10001 Tube Camera Module with 2.8 mm Lens for IPCS10020 • IPCS10002 Compact Camera Module with 3.7 mm Pinhole Lens for IPCS10020 • IPCS10003 Tube Camera Module with 3.7 mm Pinhole Lens for IPCS10020
Recommended accessories	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR) • TV8390 Camera Mount 125 mm • TVAC70200 Outdoor Housing with Heating and Power Supply	TVAC35001 Plug-in Power Supply „International“ • NVR10010 5-Channel Network Video Recorder (NVR)



Item number	IPCS10001	IPCS10002	IPCS10003
Description	Tube Camera Module with 2.8 mm Lens for IPCS10020	Compact Camera Module with 3.7 mm Pinhole Lens for IPCS10020	Tube Camera Module with 3.7 mm Pinhole Lens for IPCS10020
	<ul style="list-style-type: none"> • HD 720p resolution: 1280 x 720 • 2.8 mm miniature lens • Angle of view: 92° • 8 m cable length • Ideal for discreet video surveillance • Includes a compatible bracket 	<ul style="list-style-type: none"> • HD 720p resolution: 1280 x 720 • 3.7 mm needle eye lens • Angle of view: 57° • 8 m cable length • Ideal for discreet video surveillance • Includes a compatible bracket 	

Resolution modes	1/3" Progressive Scan CMOS Sensor	1/3" Progressive Scan CMOS Sensor	1/3" Progressive Scan CMOS Sensor
Image sensor	1/3" Progressive Scan CMOS Sensor	1/3" Progressive Scan CMOS Sensor	1/3" Progressive Scan CMOS Sensor
Lens	Fix	Fix	Fix
Focal length	2.8 mm	3.7 mm	3,7 mm
Horizontal angle of view	92°	57°	57°
Optical zoom	-	-	-
Minimum illumination (color)	0.028 lx	0.037 lx	0.037 lx
Protection class	24	24	24
IK protection class	-	-	-
Min. operating temperature	-10° C	-10° C	-10° C
Max. operating temperature	50° C	50° C	50° C
Compatible with Secvest	No	No	No
Compatible with wAppLoxx	No	No	No
Max. resolution @ frame rate	1280 x 720 @ 25 fps	1280 x 720 @ 25 fps	1280 x 720 @ 25 fps
Dimensions (W x H x D)	65 x 72 mm	27 x 37 x 25 mm	40 x 26 mm
Scope of delivery	Tube Camera Module with 2.8 mm Lens for IPCS10020 • Bracket	Compact Camera Module with 3.7 mm Pinhole Lens for IPCS10020 • Bracket	Tube Camera Module with 3.7 mm Pinhole Lens for IPCS10020 • Bracket
Required accessories	IPCS10020 Dual Flex Encoder		
Recommended accessories	-	-	-

RECORDERS



Item number	NVR10010
Description	5-Channel Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 5 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 316 MBit/s (60 MBit/s in / 256 MBit/s out) • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 2 SATA hard drives
Total network throughput (input/output)	316MBit/s (60 MBit/s/256 MBit/s)
Total frame rate (PAL)	125 fps
Storage medium	2 x 5-ATA HDD (up to 10 TB per HDD)
Recording modes	Manual, time schedule, motion detection, alarm input, VCA
Storage	1 x USB 2.0, 1 x USB 3.0
Search modes	Event, date and time, Smart Search, VCA
Alarming	Acoustic warning signal, on screen display signal, email, CMS, Alarm output
Monitor outputs	1 x VGA, 1 x HDMI
Views	1 / 4 / 6 / 8 / 9
Control	USB mouse
Network access	1 x RJ45 10/100 /1000 Mbps
Network functions	Live view, playback, data export, settings
Simultaneous network access	128 camera connections
ONVIF	-
PoE Standard	-
Software	ABUS CMS software, integrated web server
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line in: 1 x cinch (2.0 V s-s, 1000 Ω) – only for network transmission, Audio Out: 1 x cinch (600 Ω)
Relay output	1 (max. load: 12 V DC/1 A)
Alarm inputs (NO/NC)	4
DC voltage supply	12 V
AC voltage supply	-
Recording resolution @ frame rate per camera	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps
Recording duration at 6MPx @ 8Mbit/s	60 hours/TB
Recording duration at 1080p @ 2Mbit/s	238 hours/TB
Certifications	-
Dimensions (W × H × D)	380 × 50 × 315 mm
Scope of delivery	Embedded NVR • USB wireless mouse • 2 x 5-ATA cable • Quickstart manual • Installation materials
Required accessories	-
Recommended accessories	TVAC10070 28" 4K Ultra HD LED Monitor • TVAC40900 USB DVD Burner • TVAC41010 1 TB 3.5" SATA HDD



Item number	NVR10020	NVR10020P
Description	8-Channel Network Video Recorder (NVR)	8-Channel PoE Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 8 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out) • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 2 SATA hard drives 	<ul style="list-style-type: none"> • Live view and recording of up to 8 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out) • Integrated PoE switch for power supply and fast operation of IP cameras • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 2 SATA hard drives
Total network throughput (input/output)	336 MBit/s (80 MBit/s/256 MBit/s)	336 MBit/s (80 MBit/s/256 MBit/s)
Total frame rate (PAL)	200 fps	200 fps
Storage medium	2 x 5-ATA HDD (up to 10 TB per HDD)	2 x 5-ATA HDD (up to 10 TB per HDD)
Recording modes	Manual, time schedule, motion detection, alarm input, VCA	Manual, time schedule, motion detection, alarm input, VCA
Storage	1 x USB 2.0, 1 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
Search modes	Event, date and time, Smart Search, VCA	Event, date and time, Smart Search, VCA
Alarming	Acoustic warning signal, on screen display signal, email, CMS, Alarm output	Acoustic warning signal, on screen display signal, email, CMS, Alarm output
Monitor outputs	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Views	1 / 4 / 6 / 8 / 9	1 / 4 / 6 / 8 / 9
Control	USB mouse	USB mouse
Network access	1 x RJ45 10/100 /1000 Mbps	8 x RJ45 PoE (IEEE 802.3 af/at) + 1 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
ONVIF	-	-
PoE Standard	-	IEEE 802.3 af/at
Software	ABUS CMS software, integrated web server	ABUS CMS software, integrated web server
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	iDVR Plus / iDVR Plus HD (Apple iOS & Android)
Audio	Line in: 1 x cinch (2.0 V s-s, 1000 Ω) – only for network transmission, Audio Out: 1 x cinch (600 Ω)	Line in: 1 x cinch (2.0 V s-s, 1000 Ω) – only for network transmission, Audio Out: 1 x cinch (600 Ω)
Relay output	1 (max. load: 12 V DC/1 A)	1 (max. load: 12 V DC/1 A)
Alarm inputs (NO/NC)	4	4
DC voltage supply	12 V	12 V
AC voltage supply	-	-
Recording duration at 6MPx @ 8Mbit/s	37 hours/TB	37 hours/TB
Recording duration at 1080p @ 2Mbit/s	149 hours/TB	149 hours/TB
Recording resolution @ frame rate per camera	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps
Certifications	-	-
Dimensions (W × H × D)	380 × 50 × 315 mm	380 × 50 × 315 mm
Scope of delivery	Embedded NVR • USB wireless mouse • 2 x 5-ATA cable • Quickstart manual • Installation materials	Embedded NVR • USB wireless mouse • 2 x 5-ATA cable • Quickstart manual • Installation materials
Required accessories	-	-
Recommended accessories	TVAC10070 28" 4K Ultra HD LED Monitor • TVAC40900 USB DVD Burner • TVAC41010 1 TB 3.5" SATA HDD	-



Item number	NVR10030	NVR10030P
Description	16-Channel Network Video Recorder (NVR)	16-Channel PoE Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 16 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 416 MBit/s (160 MBit/s in / 256 MBit/s out) • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 4 SATA hard drives 	<ul style="list-style-type: none"> • Live view and recording of up to 16 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 416 MBit/s (160 MBit/s in / 256 MBit/s out) • Integrated PoE switch for power supply and fast operation of IP cameras • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 4 SATA hard drives
Total network throughput (input/output)	416 MBit/s (160 MBit/s/256 MBit/s)	416 MBit/s (160 MBit/s/256 MBit/s)
Total frame rate (PAL)	400 fps	400 fps
Storage medium	4 x S-ATA HDD (up to 10 TB per HDD)	4 x S-ATA HDD (up to 10 TB per HDD)
Recording modes	Manual, time schedule, motion detection, alarm input, VCA	Manual, time schedule, motion detection, alarm input, VCA
Storage	2 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 1 x USB 3.0
Search modes	Event, date and time, Smart Search, VCA	Event, date and time, Smart Search, VCA
Alarming	Acoustic warning signal, on screen display signal, email, CMS, Alarm output	Acoustic warning signal, on screen display signal, email, CMS, Alarm output
Monitor outputs	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Views	1 / 4 / 6 / 8 / 9 / 16	1 / 4 / 6 / 8 / 9 / 16
Control	USB mouse	USB mouse
Network access	2 x RJ45 10/100 /1000 Mbps	16 x RJ45 PoE (IEEE 802.3 af/at) + 2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
ONVIF	-	-
PoE Standard	-	IEEE 802.3 af/at
Software	ABUS CMS software, integrated web server	ABUS CMS software, integrated web server
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line in: 1 x cinch (2.0 V s-s, 1000 Ω) – only for network transmission, Audio Out: 2 x cinch (600 Ω)	Line in: 1 x cinch (2.0 V s-s, 1000 Ω) – only for network transmission, Audio Out: 2 x cinch (600 Ω)
Relay output	4 (Max. load: 12 V DC/1 A)	4 (Max. load: 12 V DC/1 A)
Alarm inputs (NO/NC)	16	16
DC voltage supply	-	-
AC voltage supply	100 – 240 V	100 – 240 V
Certifications	-	-
Recording resolution @ frame rate per camera	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps
Recording duration at 1080p @ 2Mbit/s	74 hours/TB	74 hours/TB
Recording duration at 6MPx @ 8Mbit/s	18 hours/TB	18 hours/TB
Dimensions (W x H x D)	450 x 95 x 440 mm	450 x 95 x 440 mm
Scope of delivery	Embedded NVR · USB wireless mouse · 4 x S-ATA cable · Quickstart manual	Embedded NVR · USB wireless mouse · 4 x S-ATA cable · Quickstart manual
Required accessories	-	-
Recommended accessories	TVAC10070 28" 4K Ultra HD LED Monitor · TVAC26000 DVR/PTZ Controller · TVAC40900 USB DVD Burner · TVAC41010 1 TB 3.5" SATA HDD	-

Item number	NVR10040	NVR10050
Description	32-Channel Network Video Recorder (NVR)	64-Channel Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 32 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 576 MBit/s (320 MBit/s in / 256 MBit/s out) • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 8 SATA hard drives • Redundant data recording via RAID (Level: 0, 1, 5, 10) 	<ul style="list-style-type: none"> • Live view and recording of up to 64 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 576 MBit/s (320 MBit/s in / 256 MBit/s out) • Easy operation locally on the device, via web browser, ABUS CMS software or app • Local monitor output supports up to 8 MPx (4K) resolution • Manual or controlled recording according to time plan, motion detection, alarm input or VCA • Supports H.264 and H.265 (incl. dynamic GOP) • Recording on up to 8 SATA hard drives • Redundant data recording via RAID (Level: 0, 1, 5, 10)
Total network throughput (input/output)	576 MBit/s (320 MBit/s/256 MBit/s)	576 MBit/s (320 MBit/s/256 MBit/s)
Total frame rate (PAL)	800 fps	1600 fps
Storage medium	8 x S-ATA HDD (up to 10 TB per HDD)	8 x S-ATA HDD (up to 10 TB per HDD)
Recording modes	Manual, time schedule, motion detection, alarm input, VCA	Manual, time schedule, motion detection, alarm input, VCA
Storage	2 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 1 x USB 3.0
Search modes	Event, date and time, Smart Search, VCA	Event, date and time, Smart Search, VCA
Alarming	Acoustic warning signal, on screen display signal, email, CMS, Alarm output	Acoustic warning signal, on screen display signal, email, CMS, Alarm output
Monitor outputs	2 x VGA, 2 x HDMI	2 x VGA, 2 x HDMI
Views	1 / 4 / 6 / 8 / 9 / 16 / 25 / 36	1 / 4 / 6 / 8 / 9 / 16 / 25 / 36
Control	USB mouse	USB mouse
Network access	2 x RJ45 10/100 /1000 Mbps	2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
ONVIF	-	-
PoE Standard	-	-
Software	ABUS CMS software, integrated web server	ABUS CMS software, integrated web server
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line In: 1 x Cinch (2,0 V s-s, 1000 Ω) – nur für Netzwerkübertragung, Audio Out: 2 x Cinch (600 Ω)	Line In: 1 x Cinch (2,0 V s-s, 1000 Ω) – nur für Netzwerkübertragung, Audio Out: 2 x Cinch (600 Ω)
Relay output	4 (Max. load: 12 V DC/1 A)	4 (Max. load: 12 V DC/1 A)
Alarm inputs (NO/NC)	16	16
DC voltage supply	-	-
AC voltage supply	100 – 240 V	100 – 240 V
Certifications	-	-
Recording duration at 1080p @ 2Mbit/s	37 hours/TB	37 hours/TB
Recording duration at 6MPx @ 8Mbit/s	9 hours/TB	9 hours/TB
Recording resolution @ frame rate per camera	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps	12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 2 MPx, 1080p, 720p, VGA @ 25 fps
Dimensions (W x H x D)	450 x 95 x 440 mm	450 x 95 x 440 mm
Scope of delivery	Embedded NVR · USB wireless mouse · 8 x S-ATA cable · Quickstart manual	Embedded NVR · USB wireless mouse · 8 x S-ATA cable · Quickstart manual
Required accessories	-	-
Recommended accessories	TVAC10070 28" 4K Ultra HD LED Monitor · TVAC26000 DVR/PTZ Controller · TVAC40900 USB DVD Burner · TVAC41010 1 TB 3.5" SATA HDD	TVAC10070 28" 4K Ultra HD LED Monitor · TVAC26000 DVR/PTZ Controller · TVAC40900 USB DVD Burner · TVAC41010 1 TB 3.5" SATA HDD

ABUS VIEWER



Item number IPCV10000

Description ABUS IP Camera Viewer (1-channel)

- Live image display of 2 MPx network cameras on one monitor
- Display expandable up to 4 cameras (IPCV10010)
- Practical solution for numerous customer needs
- Ideal for sales rooms, for example as a confrontation monitor
- Comfortable solution for private end customers, e.g. more security at the front door
- Low installation costs
- Network integration via LAN or WiFi
- Monitor connection via HDMI
- Silent operation
- Without the use of an additional PC or recorder

Resolution modes	1920 x 1080
Network access	RJ45
Wi-Fi network access	2,4 GHz & 5 GHz WLAN IEEE 802.11 b/g/n/ac
Connections	1 x HDMI, 1 x RJ45, 1 x Micro-USB Typ B
Max. operating temperature	50° C
Min. operating temperature	0° C
DC voltage supply	5 V
Power consumption	2500 mA
Resolution	2MPx
Dimensions (W x H x D)	75 x 110 x 35 mm
Scope of delivery	ABUS IP Camera Viewer (1-channel)
Required accessories	-
Recommended accessories	IPCV10010 ABUS Quad View Add-on for ABUS IP Camera Viewer • IPCV10020 ABUS Overlay Add-on for ABUS IP Camera Viewer • TVAC35100 Micro-USB power supply 3 A



Item number IPCV10010 IPCV10020

Description ABUS Quad View Add-on for ABUS IP Camera Viewer ABUS Overlay Add-on for ABUS IP Camera Viewer

- Extension from 1 to 4 channels for the ABUS IP Camera Viewer (1-channel) IPCV10000
- Software extension via activation code
- No further installation or infrastructure needed

- Software extension to display logo and text
- Video stream optimization for the POS and adaptation to the corporate design
- Integration of customized data for targeted customer information
- Software extension using activation code
- No further installation or infrastructure necessary

Dimensions (W x H x D)	115 x 2 x 160 mm	115 x 2 x 160 mm
Scope of delivery	License	Licence
Required accessories	IPCV10000 ABUS IP Camera Viewer (1-channel)	
Recommended accessories	-	-



Item number TVAC35100

Description Micro-USB power supply 3 A

- Plug-in power supply with micro USB output
- Recommended for powering the ABUS IP Camera Viewer IPCV10000
- Suitable for a variety of devices
- Powerful with 3.1 A suitable for every application
- 1.1 m charging cable for sufficient freedom of movement
- With 100 - 240 V AC input voltage can also be used abroad

Dimensions (W x H x D)	48 x 28 x 89 mm
Scope of delivery	USB power supply 3 A
Required accessories	-
Recommended accessories	IPCV10000 ABUS IP Camera Viewer (1-channel)

HOME SECURITY



Item number	TVHS20200	TVHS20000
Description	7" PoE Touch Monitor, LAN/WiFi for Intercom (white)	IP Video Module for Intercom
	<ul style="list-style-type: none"> Indoor station for the door intercom system ModuVis Simple communication and operation within the door intercom system Live image display from up to 16 network cameras Intercom and reaction (e.g. door opening) when someone rings the doorbell Recording on internal memory (expandable by microSD card) Save and view pictures of missed people who rang the bell Suitable for installation with IP-Video module of door intercom system ModuVis PoE network connection and WiFi Wall bracket included 	<ul style="list-style-type: none"> IP-Video module for door intercom system ModuVis Central control unit of the door intercom system (mandatory for each PoE installation) 2 Mx Day/Night camera with 180° viewing angle Push alert to mobile devices via ABUS Link Station App High-resolution microphone and speaker Bell buttons with backlight PoE network connector Other relay inputs / outputs e.g. for Door Opener Sabotage contact on the rear side Weatherproof IP65

Display	7" Touchscreen Monitor	2-Way Audio
Lens	-	Fix
Resolution	1.024 x 600 Pixel	2 MPx
Frame rate	-	-
IR LEDs	-	Yes
Video compression	-	Stream 1: H.264, Stream 2: H.264
Audio	Built-in microphone and speaker	Built-in microphone and speaker
Audio signal	-	-
Microphone	Yes	Yes
Operation	-	-
Connections	1 x RJ45, 1 x DC, 8 x alarm input, 2 x alarm output	1 x RJ45, 1 x DC, 4 x alarm input, 2 x alarm output
Connectable devices	-	TVHS20020, TVHS20030, TVHS20040, TVHS10040
Network access	RJ45	RJ45
PoE Standard	IEEE 802.3af	IEEE 802.3af
Alarmeringang (NO/NC)	8	4
IP protection class	-	65
Max. operating temperature	55° C	60° C
Min. operating temperature	-10° C	-40° C
Max. Luftfeuchtigkeit	90	0,95
Dimensions (W x H x D)	200 x 140 x 15 mm	98 x 99.8 x 43.9 mm
Scope of delivery		
Required accessories	TVHS20000 IP Video Module for Intercom	TVHS20200 7" PoE Touch Monitor, LAN/WiFi for Intercom (white) • TVHS20100 Flush mount frame for 1 Module • TVHS20110 Flush mount frame for 2 Modules • TVHS20120 Flush mount frame for 3 Modules • TVHS20130 Surface mount frame for 1 Module • TVHS20140 Surface mount frame for 2 Modules • TVHS20150 Surface mount frame for 3 Modules
Recommended accessories	ITAC10100 4-Port PoE Gigabit Switch • TVHS20320 Monitor desk stand • TVHS20330 Flush mount installation box for monitor	ITAC10100 4-Port PoE Gigabit Switch • TVHS20030 Keypad Module for Intercom • TVHS20040 Backlighted Information Module for Intercom • TVHS20050 Spare Cover Module for Intercom



Item number	TVHS20210	TVHS20010
Description	7" Touch Monitor, 2-Wire for Intercom (white)	2-Wire Video Module for Intercom
	<ul style="list-style-type: none"> Indoor station for the door intercom system ModuVis Simple communication and operation within the door intercom system Live image display from up to 16 network cameras Intercom and reaction (e.g. door opening) when someone rings the doorbell Recording on internal memory (expandable by microSD card) Save and view pictures of missed people who rang the bell Suitable for installation with 2-Wire Video module Wall bracket included 	<ul style="list-style-type: none"> 2-Wire Video module for door intercom system ModuVis Central control unit of the door intercom system (mandatory for each 2-wire installation) 2 Mx Day/Night camera with 180° viewing angle Push alert to mobile devices via ABUS Link Station App High-resolution microphone and speaker Bell buttons with backlight Audio, Video und Spannung via 2-wire Other relay inputs / outputs e.g. for Door Opener Sabotage contact on the rear side Weatherproof IP65

Display	7" Touchscreen Monitor	2-Way Audio
Lens	-	Fix
Resolution	1.024 x 600 Pixel	2 MPx
Frame rate	-	-
IR LEDs	-	-
Video compression	-	Stream 1: H.264, Stream 2: H.264
Audio	Built-in microphone and speaker	Built-in microphone and speaker
Audio signal	-	-
Microphone	Yes	Yes
Operation	-	-
Connections	1 x DC/Audio/Video, 8 x alarm input, 2 x alarm output	1 x DC/Audio/Video, 4 x alarm input, 2 x alarm output
Connectable devices	-	TVHS20020, TVHS20030, TVHS20040, TVHS10040
Network access	-	-
Alarmeringang (NO/NC)	8	4
IP protection class	-	65
Max. operating temperature	55° C	60° C
Min. operating temperature	-10° C	-40° C
Max. Luftfeuchtigkeit	90	0,95
Dimensions (W x H x D)	200 x 140 x 15 mm	98 x 99.8 x 43.9 mm
Scope of delivery		
Required accessories	TVHS20010 2-Wire Video Module for Intercom • TVHS20310 2-Wire Distributor for Intercom	TVHS20310 2-Wire Distributor for Intercom • TVHS20210 7" Touch Monitor, 2-Wire for Intercom (white) • TVHS20100 Flush mount frame for 1 Module • TVHS10110 Indoor station set for network cameras (monitor / distributor) • TVHS20120 Flush mount frame for 3 Modules • TVHS20130 Surface mount frame for 1 Module • TVHS20140 Surface mount frame for 2 Modules • TVHS20150 Surface mount frame for 3 Modules
Recommended accessories	TVHS20320 Monitor desk stand • TVHS20330 Flush mount installation box for monitor	TVHS20020 Doorbell button Module for Intercom (6 buttons) • TVHS20030 Keypad Module for Intercom • TVHS20040 Backlighted Information Module for Intercom • TVHS20050 Spare Cover Module for Intercom

Available
Soon Q3
2020

Available
Soon Q3
2020



Item number **TVHS20020** **TVHS20030**

Description **Doorbell button Module for Intercom (6 buttons)** **Keypad Module for Intercom**

- Door bell module for door intercom system ModuVis
- Extends the system with 6 bell buttons with backlight
- Includes covers for unnecessary bell buttons
- Suitable for surface or flush mounting frames

- Keypad module for door intercom system ModuVis
- 6-digit PIN for access control
- Key buttons with backlight
- Suitable for surface or flush mounting frames
- Keyless entry

Item number **TVHS20040** **TVHS20050**

Description **Backlight Information Module for Intercom** **Spare Cover Module for Intercom**

- Illuminated info module for door intercom system ModuVis
- Ideal as a name tag or display of the house number
- Suitable for surface or flush mounting frames

- Blank module for door intercom system ModuVis
- Suitable for surface or flush mounting frames

Dimensions (W × H × D)	98 × 99.8 × 33.7 mm	98 × 99.8 × 33.7 mm
Scope of delivery		
Required accessories	TVHS20000 IP Video Module for Intercom • TVHS20010 2-Wire Video Module for Intercom	
Recommended accessories	-	

Dimensions (W × H × D)	98 × 99.8 × 33.7 mm	98 × 99.8 × 33.7 mm
Scope of delivery		
Required accessories	TVHS20000 IP Video Module for Intercom • TVHS20010 2-Wire Video Module for Intercom	-
Recommended accessories	-	-

Available
Soon Q3
2020



Item number	TVHS20100	TVHS20110	TVHS20120
Description	Flush mount frame for 1 Module	Flush mount frame for 2 Modules	Flush mount frame for 3 Modules
	<ul style="list-style-type: none"> • Single frame for flush mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum • Includes matching flush-mounting box 	<ul style="list-style-type: none"> • Double frame for flush mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum • Includes matching flush-mounting box 	<ul style="list-style-type: none"> • Triple frame for flush mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum • Includes matching flush-mounting box

Dimensions (W × H × D)	124 × 134 × 4 mm	124 × 236 × 4 mm	124 × 337 × 4 mm
Scope of delivery			
Required accessories	-	-	-
Recommended accessories	-	-	-



Item number	TVHS20130	TVHS20140	TVHS20150
Description	Surface mount frame for 1 Module	Surface mount frame for 2 Modules	Surface mount frame for 3 Modules
	<ul style="list-style-type: none"> • Single frame for surface mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum 	<ul style="list-style-type: none"> • Double frame for surface mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum 	<ul style="list-style-type: none"> • Triple frame for surface mounting for the door intercom system ModuVis • Weatherproof housing made of anodized aluminum

Dimensions (W × H × D)	107 × 117 × 37 mm	107 × 219 × 37 mm	107 × 320 × 37 mm
Scope of delivery			
Required accessories	-	-	-
Recommended accessories	-	-	-

COMBINATION EXAMPLES HOME SECURITY



TVHS20000
IP-Videomodul

TVHS20130
Surface mount frame
for 1 Module

Available
Soon Q3
2020



TVHS20000
IP-Videomodul

TVHS20020
Doorbell button Module

TVHS20140
Surface mount frame for
2 Modules



TVHS20000
IP-Videomodul

TVHS20040
Backlighted Information Module

TVHS20030
Keypad Module for Intercom

TVHS20150
Surface mount frame for
3 Modules



Item number	TVHS20300	TVHS20310
Description	24V DC Power supply for DIN rail	2-Wire Distributor for Intercom
	<ul style="list-style-type: none"> • 24V DC power supply for the door intercom system ModuVis • Suitable for installation with 2-Wire Video module 	<ul style="list-style-type: none"> • 2-Wire distributor for the door intercom system ModuVis • Mandatory for installation with 2-wire video module and 2-wire indoor station

Dimensions (W × H × D)	53 × 55 × 90 mm	144 × 90 × 65 mm
Scope of delivery		
Required accessories	-	TVHS20300 24V DC Power supply for DIN rail • TVHS20210 7" Touch Monitor, 2-Wire for Intercom (white) • TVHS20010 2-Wire Video Module for Intercom
Recommended accessories	-	-



Item number	TVHS20320	TVHS20330
Description	Monitor desk stand	Flush mount installation box for monitor
	<ul style="list-style-type: none"> • Table holder for the door intercom system ModuVis • Suitable for 7" indoor station (PoE & 2-wire) 	<ul style="list-style-type: none"> • Alternative to standard flush-mounted installation box • Compatible with the monitor wall bracket • Allows horizontal fine alignment
Dimensions (W × H × D)	122 × 64 × 86 mm	81 × 78 × 64 mm
Scope of delivery		
Required accessories	TVHS20200 7" PoE Touch Monitor, LAN/WiFi for Intercom (white) • TVHS20210 7" Touch Monitor, 2-Wire for Intercom (white)	
Recommended accessories	-	-



Item number	TVHS10020A	TVHS10000A
Description	2-wire monitor for door station	2-wire door station
	<ul style="list-style-type: none"> • Intuïtieve 7"-monitor met touchscreen voor het ABUS-deurstation • Connection via 2-wire port • Live-image display of the door station camera as well as other ABUS IP cameras • Use of up to 6 interior monitors per door station possible • Screenshot function for saving still images • Recording and response function • Data storage on a microSD card (optional) • Also available in a complete package with door station and distributor 	<ul style="list-style-type: none"> • Integrated 2 MPx wide-angle camera with IR-LEDs (day-night function) • Robust stainless steel case with illuminated name plate and call button • Installation box for on-wall mounting of the ABUS door station optionally available
Display	7" colorful TFT LCD	-
Lens	-	Fix
Resolution	-	2MPx
Frame rate	-	30 fps (NTST), 25 fps (PAL)
IR LEDs	-	Yes
Video compression	-	H.264
Audio	Built-in Loudspeaker	Built-in Loudspeaker
Audio signal	-	G.711 U, 64 Kbps
Microphone	Yes	Yes
Operation	Touchscreen	-
Connections	-	1 x 12 V DC output, 2 x I/O input, 1 x RS-485 Half-Duplex port
Connectible devices	Selected ABUS IP cameras, 2-wire door station, 2-wire video/audio distributor	Selected ABUS IP cameras, 2-wire monitor for door station, Security module
Network access	Two-Wire	Two-Wire
Alarmeringang (NO/NC)	-	1x NC, NO, COM for door magnet contact
IP protection class	-	65
Max. operating temperature	55° C	60° C
Min. operating temperature	-10° C	-10° C
Max. Luftfeuchtigkeit	90	90
Dimensions (W × H × D)	196 × 133 × 26 mm	110 × 169 × 44 mm
Scope of delivery	2-wire monitor for door station • Mounting material • Mounting plate • 2 x Connection cable • Clamp • Safety information	2-wire door station • Installation tool • Mounting material • Power Supply • Safety information
Required accessories	TVHS10010 2-wire video/audio distributor	-
Recommended accessories	-	-



Item number	TVHS10100	TVHS10110
Description	Video intercom set (door station / monitor / distributor)	Indoor station set for network cameras (monitor / distributor)
	<ul style="list-style-type: none"> • 2-wire ABUS video door intercom • Complete package with door station, 7" touchscreen monitor, and distributor • Reliable and fail-safe monitoring of the entrance area • Integrated 2 MPx wide-angle camera with IR-LEDs (day-night function) • Robust stainless steel case with illuminated name plate and call button • Live view of compatible ABUS IP cameras • Use up to 6 interior monitors per door station • Other features such as message recording, automatic response, etc. • Optional security module for additional manipulation protection 	<ul style="list-style-type: none"> • Complete package with 7" touch screen monitor and distributor • Connection via 2-wire • Live view of compatible ABUS IP cameras • Up to 6 indoor monitors

Scope of delivery	2-wire door station • 2-wire monitor for door station • 2-wire video/audio distributor • Power Supply	
Required accessories	-	-
Recommended accessories	TVHS10040 Security module • TVHS10030 Wall-mounted installation box for door station	IPCB44510A IP Mini Dome 4 MPx (2.8 mm) • IPCB64510A IP Mini Tube 4 MPx (2.8 mm)



Item number	TVHS10010	TVHS10030	TVHS10040
Description	2-wire video/audio distributor	Wall-mounted installation box for door station	Security module
	<ul style="list-style-type: none"> • Video/audio distributor for up to 6 touchscreen monitors • Connection via 2-wire port • 24 V DC power supply • 10/100 Mbit/s network access • Easy installation on a hat rail in accordance with DIN standards • Also available in a complete package with door station and 7" touchscreen monitor • Reliable and fail-safe monitoring of the entrance area 	<ul style="list-style-type: none"> • Installation box for on-wall mounting of the ABUS door station • Robust installation box • Elegant and discreet design • Easy installation 	<ul style="list-style-type: none"> • Security module for the ABUS door station • Manipulation protection for the 2-wire door station • Interface for electric locks

Dimensions (W × H × D)	112 × 111 × 66 mm	111 × 182 × 61 mm	115 × 48 × 25 mm
Scope of delivery	2-wire video/audio distributor • Mounting material • Adapter cable • Safety information	Wall-mounted installation box for door station • Mounting material • Drilling template	Security module • Mounting material • 2 x Connection cable • Drilling template
Required accessories	TVHS10020A 2-wire monitor for door station	TVHS10100 Video intercom set (door station / monitor / distributor)	TVHS10100 Video intercom set (door station / monitor / distributor)
Recommended accessories	-	-	-

SOFTWARE & APPS



Item number TVSW12000

Description	ABUS IP Installer (Windows)
	<ul style="list-style-type: none"> • PC software for performing quick searches for all ABUS devices on the network • Quick process for making changes to the IP settings • Display of firmware statuses and automatic online firmware updates for all ABUS cameras and recorders • Straightforward download of the manual and quick guide for discovered devices



Item number APP12700

Description	ABUS Link Station Lite (Android)	ABUS Link Station Pro (Android)
	<ul style="list-style-type: none"> • Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop • Remote access to live images and recordings via mobile end devices • Live image display from up to 16 cameras in landscape mode • Push notification when someone calls • Save snapshots/video clips directly from the live view • Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes • Control and configure a zoom camera (PTZ) using the touch screen • Control switches or relays, e.g. to open a door or operate a light switch • Secure connection via encrypted data transfer 	<ul style="list-style-type: none"> • Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop • Remote access to live images and recordings via mobile end devices • Live image display from up to 16 cameras in landscape mode • Push notification when someone calls • Direct saving of snapshots/video clips from the live view • Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes • Control and configure a zoom camera (PTZ) using the touch screen • Control switches or relays, e.g. to open a door or operate a light switch • Secure connection via encrypted data transfer



Item number TVSW11001

Description	ABUS CMS Software (Windows)	ABUS CMS Software (Mac OS)
	<ul style="list-style-type: none"> • PC software for management of up to 256 recorders and 1024 video channels • Live view and playback for up to 64 cameras on 4 monitors • Integrated time schedule management, event programming and log data evaluation • Graphical bar display of the camera archive with time bars for event and continuous record • Remote configuration for recorder programming • Simple data export via integrated download manager • Integrated alarm manager with pop-up function for immediate display and playback of suspicious events • Creation of snapshots directly from the live view • Creation and management of up to 50 users, with the option of individual configuration for each user • Smart search through recordings using motion detection so events can be found quickly 	<ul style="list-style-type: none"> • PC software for management of ABUS recorders • Live view and playback for up to 64 cameras on 4 monitors • Integrated time schedule management, event programming and log data evaluation • Graphical bar display of the camera archive with time bars for event and continuous record • Remote configuration for recorder programming • Simple data export via integrated download manager • Integrated alarm manager with pop-up function for immediate display and playback of suspicious events • Creation of snapshots directly from the live view • Creation and management of up to 50 users, with the option of individual configuration for each user



Item number TVSW11005

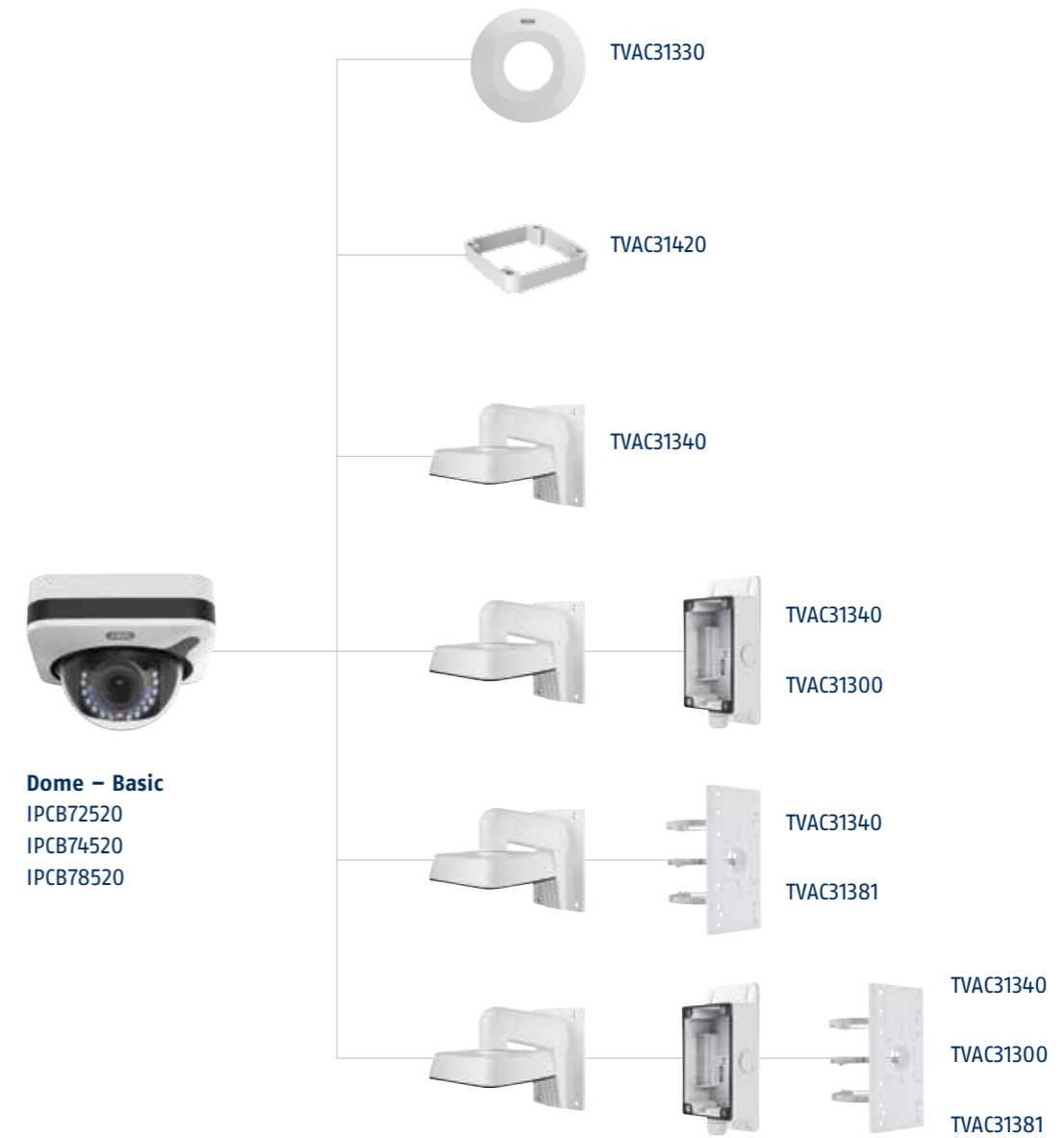
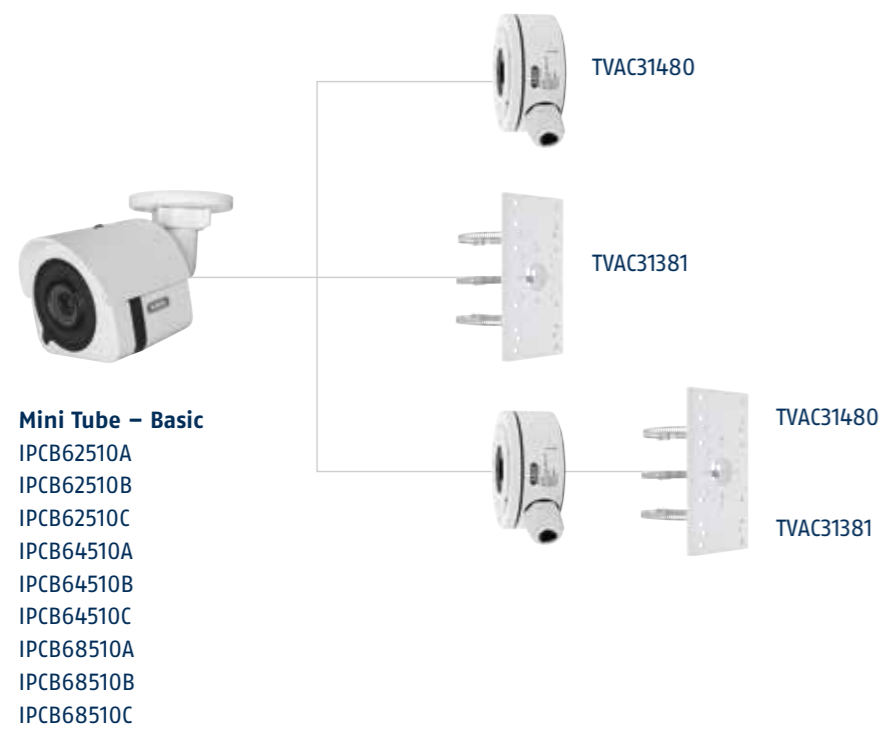
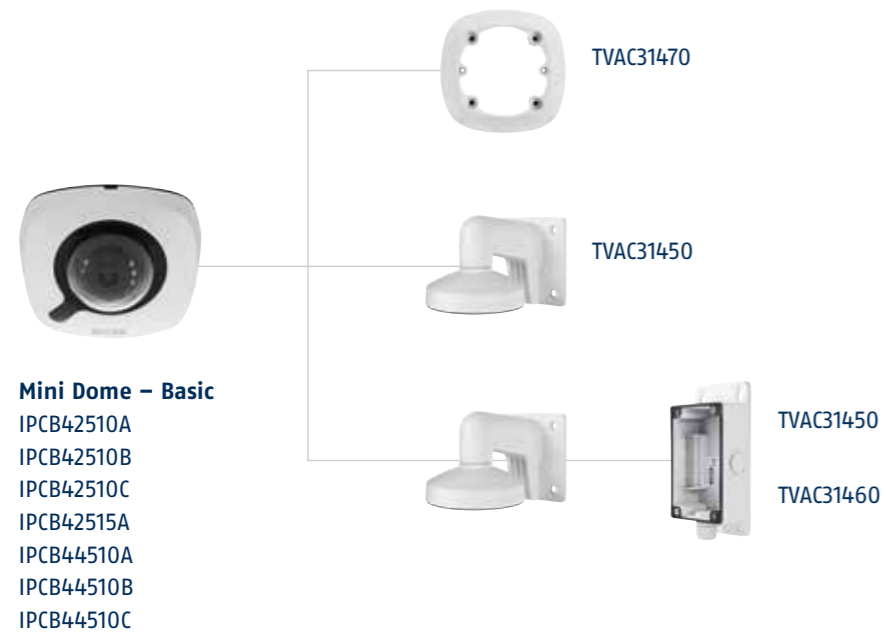


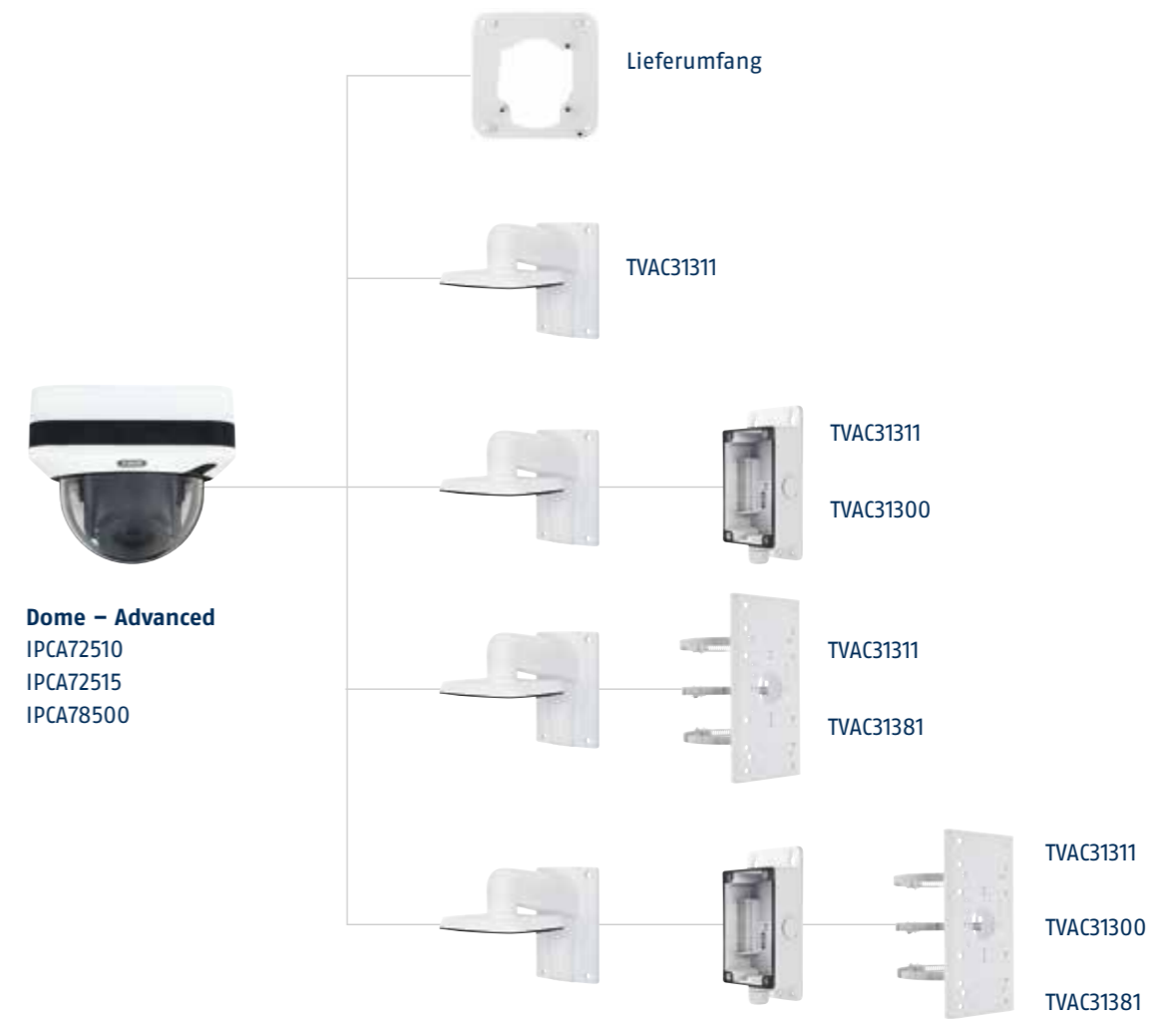
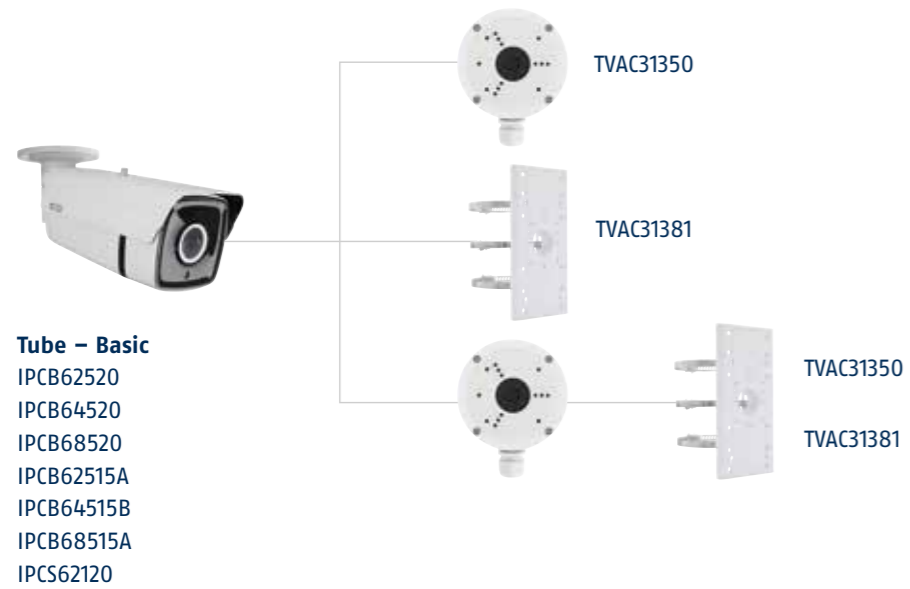
Item number APP12800

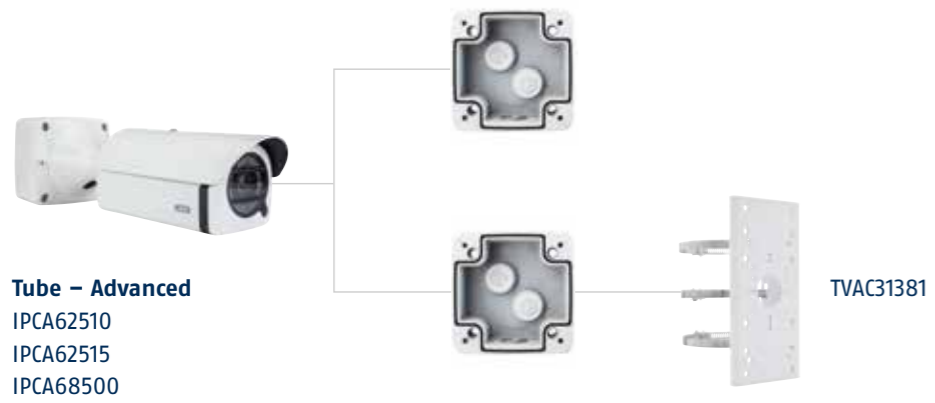
Description	ABUS Link Station Lite (iOS)	ABUS Link Station Pro (iOS)
	<ul style="list-style-type: none"> • Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop • Remote access to live images and recordings via mobile end devices • Live image display from up to 16 cameras in landscape mode • Push notification when someone calls • Save snapshots/video clips directly from the live view • Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes • Control and configure a zoom camera (PTZ) using the touch screen • Control switches or relays, e.g. to open a door or operate a light switch • Secure connection via encrypted data transfer 	<ul style="list-style-type: none"> • Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop • Remote access to live images and recordings via mobile end devices • Live image display from up to 16 cameras in landscape mode • Push notification when someone calls • Direct saving of snapshots/video clips from the live view • Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes • Control and configure a zoom camera (PTZ) using the touch screen • Control switches or relays, e.g. to open a door or operate a light switch • Secure connection via encrypted data transfer

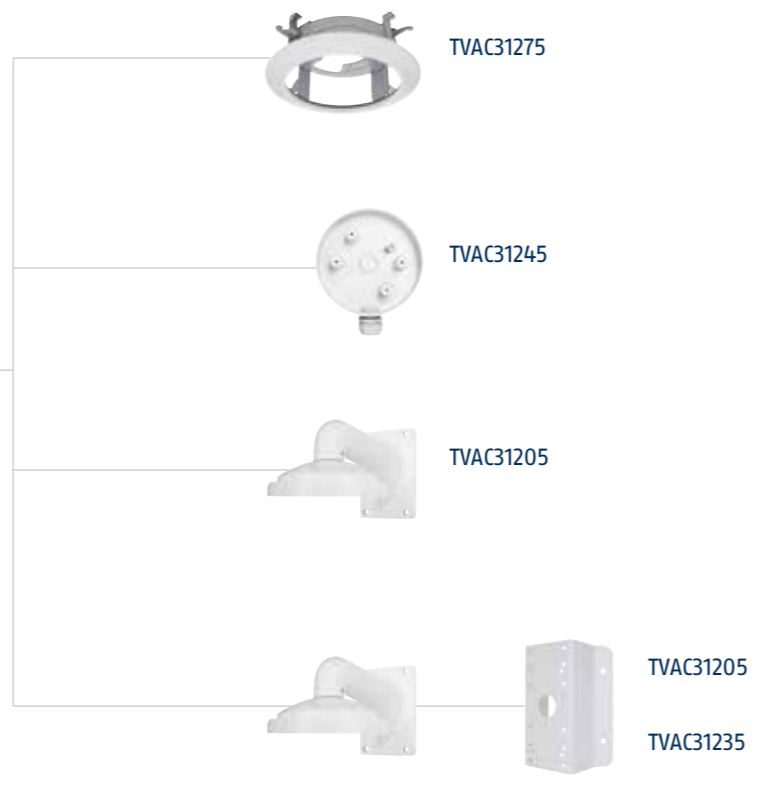
Item number APP12850

MOUNTS











Mini Dome – Basic
 IPCB42510A
 IPCB42510B
 IPCB42510C
 IPCB42515A
 IPCB44510A
 IPCB44510B
 IPCB44510C



IP Mini Dome
 TVAC31475X



TVAC31450X



TVAC31450X

TVAC31460X



Dome schwarz
 IPCB74615B
 IPCB78615A



TVAC31320X



TVAC31320X

TVAC31381X



TVAC31320X

TVAC31300X

TVAC31381X



Tube – Basic schwarz
 IPCB64620
 IPCB68620



TVAC31350X



TVAC31381X



TVAC31350X

TVAC31381X

MOUNTS



Item number	TVAC31450	TVAC31460	TVAC31470
Description	Wall bracket	Installation box	Ceiling mounting frame
	<ul style="list-style-type: none"> Compatible with IPCB42510A/B/C, IPCB42515A, IPCB44510A/B/C, IPC42501, IPCB42551 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors 	<ul style="list-style-type: none"> Can only be used in combination with TVAC31450 For protecting wiring both indoors and outdoors Sturdy aluminium construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB42510A/B/C, IPCB42515A, IPCB44510A/B/C Accessory for the Universal IP Mini Dome IR 1080p Protects and conceals the cable when mounting on the ceiling Colour: white
Dimensions (W × H × D)	120 × 120 × 170 mm	130 × 50 × 130 mm	140 × 35 × 135 mm
Scope of delivery	Wall Mount Bracket · Installation material	Junction box	Ceiling mounting frame · Installation material
Required accessories	See mounts overview on pages 56-65	See mounts overview on pages 56-65	See mounts overview on pages 56-65
Recommended accessories	TVAC31460 Installation box · TVAC31381 Pole mount	TVAC31381 Pole mount	-



Item number	TVAC31320	TVAC31350	TVAC31480
Description	Wall mount bracket	Installation box	Installation box
	<ul style="list-style-type: none"> Compatible with IPCB72515A, IPCB74515B, IPCB78515A, HDCC71510, HDCC72510, HDCC72550, HDCC73550, HDCC75550, HDCC78550 Internal cable routing possible Sturdy aluminium construction for indoors and outdoors Color: white Can be combined with the installation box TVAC31300 	<ul style="list-style-type: none"> Compatible with IPCB62520, IPCB64520, IPCB68520, IPCA62520, IPCA63500, IPCA66500 Conceals and protects wiring both indoors and outdoors Sturdy aluminium construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB62510A/B/C, IPCB64510A/B/C, IPCB68510A/B/C, IPCB62500, HDCC32501, HDCC33500, HDCC35500, HDCC42501, HDCC43500, HDCC45500 Conceals and protects wiring both indoors and outdoors Sturdy aluminium construction Colour: white
Dimensions (W × H × D)	142 × 184 × 235 mm	55 × 135 mm	100 × 45 × 100 mm
Scope of delivery	Wall Mount Bracket	Installation	Junction box
Required accessories	See mounts overview on pages 56-65	See mounts overview on pages 56-65	See mounts overview on pages 56-65
Recommended accessories	-	-	-



Item number	TVAC31330	TVAC31340	TVAC31420
Description	Ceiling Mount Frame	Wall bracket	Adapter for ceiling mount
	<ul style="list-style-type: none"> Compatible with IPCB72520, IPCB74520, IPCB78520, IPCB72501 Ceiling mount frame for use indoors and outdoors Provides cover and protection when mounting on ceilings Cover made of white plastic Installation kit including mounting accessories 	<ul style="list-style-type: none"> Compatible with IPCB72520, IPCB74520, IPCB78520, IPCB72501 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors 	<ul style="list-style-type: none"> Compatible with IPCB72520, IPCB74520, IPCB78520, IPCB72501 Conceals and protects wiring when mounted on the ceiling Colour: white
Dimensions (W × H × D)	87 × 245 mm	141 × 184 × 235 mm	143 × 25 × 143 mm
Scope of delivery	Ceiling Mount Frame	Wall bracket	Adapter for ceiling mount
Required accessories	See mounts overview on pages 56-65	See mounts overview on pages 56-65	See mounts overview on pages 56-65
Recommended accessories	-	-	-



Item number	TVAC31300	TVAC31311	TVAC31381
Description	Junction Box	Wall Mount Bracket	Pole mount
	<ul style="list-style-type: none"> Can only be used in combination with TVAC31310, TVAC31311, TVAC31320, TVAC31340 or TVAC31430 Compatible with TVAC31380, TVAC31381 For protecting wiring both indoors and outdoors Sturdy aluminium construction Internal cable routing possible Colour: white 1 opening with G$\frac{3}{4}$" connection for cabling 	<ul style="list-style-type: none"> Compatible with IPCA72500, IPCA72510, IPCA72515, IPCA78500, IPCB74500 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Color: white 	<ul style="list-style-type: none"> Can only be used in combination with TVAC31311, TVAC31320, TVAC31340, TVAC31350, TVAC31370, TVAC31430 or TVAC31480 Compatible with TVAC31300 Mount for easy attachment to masts and pipes Ideal for masts with a diameter of 67–127 mm
Dimensions (W × H × D)	123 × 63 × 243 mm	142 × 184 × 235 mm	127 × 46 × 250 mm
Scope of delivery	Junction Box	Wall Mount Bracket	Pole mount
Required accessories	See mounts overview on pages 56-65	See mounts overview on pages 56-65	See mounts overview on pages 56-65
Recommended accessories	-	-	TVAC31300 Junction Box



Item number	TVAC31215	TVAC31285	TVAC31205
Description	Wall Mount for IPCS84510	Ceiling Mount for IPCS84510	Wall Mount for IPCS84530
	<ul style="list-style-type: none"> Compatible with IPCS84510 Internal cabling is possible Color: white 	<ul style="list-style-type: none"> Compatible with IPCS84510 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Color: white 	<ul style="list-style-type: none"> Compatible with IPCS84530 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Color: white
Dimensions (W × H × D)	126 × 80 × 224 mm	97 × 97 × 400 mm	86 × 158 × 315 mm
Scope of delivery	Wall mount	Ceiling Mount	Wall Mount
Required accessories	IPCS84510 IP Mini PTZ 4 MPx (4x)	IPCS84510 IP Mini PTZ 4 MPx (4x)	IPCS84530 IP PTZ 4 MPx (25x)
Recommended accessories	-	-	TVAC31235 Corner Mount for IPCS84530



Item number	TVAC31245	TVAC31235	TVAC31275
Description	Installation box for IPCS84530	Corner Mount for IPCS84530	Ceiling mount frame for IPCS84530
	<ul style="list-style-type: none"> Can only be used in combination with TVAC31205 Compatible with TVAC31235 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Color: white 	<ul style="list-style-type: none"> Can only be used in combination with TVAC31205 Compatible with TVAC31245 Color: white 	<ul style="list-style-type: none"> Compatible with IPCS84530 Provides cover and protection when mounting on ceilings Color: white
Dimensions (H × Ø)	40 × 158 mm	126 × 105 × 250 mm	85 × 233 mm
Scope of delivery			
Required accessories	IPCS84530 IP PTZ 4 MPx (25x)	TVAC31205 Wall Mount for IPCS84530	IPCS84530 IP PTZ 4 MPx (25x)
Recommended accessories	-	-	-



Item number	TVAC31201	TVAC31221
Description	Long Wall Mount for PTZ Dome Cameras	Pole Mount incl. Long Wall Mount for PTZ Dome Cameras
	<ul style="list-style-type: none"> Compatible with IPCS82500, IPCS82520, IPCS82530, IPCS83500, HDDC82500, HDCC82501 Simple installation of ABUS PTZ dome cameras Length of mount (projection): 310 mm For wall mounting 	<ul style="list-style-type: none"> Compatible with IPCS82500, IPCS82520, IPCS82530, IPCS83500, HDDC82500, HDCC82501 Simple installation of ABUS PTZ dome cameras For mounting on poles and pipes For poles with a diameter of 67 – 127 mm Long wall mount (310 mm) included with delivery
Dimensions (W × H × D)	97 × 182 × 310 mm	117 × 194 × 46 mm
Scope of delivery	Long Wall Mount for Speed Dome • Installation material	Pole Mount incl. Long Wall Mount for Speed Dome • Wall mount • Installation material
Required accessories	IPCS84550 IP PTZ 4 MPx (32x) • IPCS83500 IP PTZ 3 MPx (36x) • IPCS82530 IP PTZ 2 MPx (1080p, 36x, Ultra Low-Light) • IPCS82520 IP PTZ 2 MPx (1080p, 23x, Ultra Low-Light) • IPCS82500 IP PTZ 2 MPx (1080p, 20x) • HDCC82501 Analog HD 32x PTZ Dome IR 2 MPx • HDCC82500 Outdoor Analogue HD 30x PTZ Dome IR 1080p	
Recommended accessories	-	-



Item number	TVAC31231	TVAC31241
Description	Corner Mount incl. Long Wall Mount for PTZ Dome Cameras	Junction Box incl. Long Wall Mount for PTZ Dome Cameras
	<ul style="list-style-type: none"> Compatible with IPCS82500, IPCS82520, IPCS82530, IPCS83500, HDDC82500, HDCC82501 Simple installation of ABUS PTZ dome cameras For mounting in corners and inaccessible places Size: 179 × 194 mm, opening angle: 90° Wall mount (310 mm) included with delivery 	<ul style="list-style-type: none"> Compatible with IPCS82500, IPCS82520, IPCS82530, IPCS83500, HDDC82500, HDCC82501 Simple installation of ABUS PTZ dome cameras Camera power supply can be installed on the mount for protection from weather Length of mount (projection): 310 mm For wall mounting
Dimensions (W × H × D)	119 × 106 × 194 mm	210 × 310 × 400 mm
Scope of delivery	Corner Mount incl. Long Wall Mount for Speed Dome • Wall mount • Installation material	Junction box • Wall mount • Installation material
Required accessories	IPCS84550 IP PTZ 4 MPx (32x) • IPCS83500 IP PTZ 3 MPx (36x) • IPCS82530 IP PTZ 2 MPx (1080p, 36x, Ultra Low-Light) • IPCS82520 IP PTZ 2 MPx (1080p, 23x, Ultra Low-Light) • IPCS82500 IP PTZ 2 MPx (1080p, 20x) • HDCC82501 Analog HD 32x PTZ Dome IR 2 MPx • HDCC82500 Outdoor Analogue HD 30x PTZ Dome IR 1080p	
Recommended accessories	-	-



Item number	TVAC31250	TVAC31260	TVAC31270
Description	5.7 cm Ceiling Mount for PTZ Dome Cameras	20 cm Ceiling Mount for PTZ Dome Cameras	50 cm Ceiling Mount for PTZ Dome Cameras
	<ul style="list-style-type: none"> • Ceiling bracket for IPCS82500, IPCS82520, IPCS82530, IPCS83500, HDCC82500, HDCC82501 • Internal cable routing possible • Sturdy aluminium construction for indoors and outdoors • Load-bearing capacity: 10 kg • Colour: white 		
Dimensions (W × H × D)	116.5 × 57 × 116.5 mm	200 × 116.5 mm	500 × 116.5 mm
Scope of delivery	5.7 cm Ceiling Mount for PTZ Dome Cameras	20 cm Ceiling Mount for PTZ Dome Cameras	50 cm Ceiling Mount for PTZ Dome Cameras
Required accessories	IPCS84550 IP PTZ 4 MPx (32x) • IPCS83500 IP PTZ 3 MPx (36x) • IPCS82530 IP PTZ 2 MPx (1080p, 36x, Ultra Low-Light) • IPCS82520 IP PTZ 2 MPx (1080p, 23x, Ultra Low-Light) • IPCS82500 IP PTZ 2 MPx (1080p, 20x) • HDCC82501 Analog HD 32x PTZ Dome IR 2 MPx • HDCC82500 Outdoor Analogue HD 30x PTZ Dome IR 1080p		
Recommended accessories	-	-	-



Item number	TVAC31280	TVAC31290
Description	Installation Box for Hemispheric Camera	Installation Box with 23/46 cm Ceiling Bracket for Hemispheric Camera
	<ul style="list-style-type: none"> • Compatible with IPCS24500, TVIP83900, TVIP86900 • For protecting wiring both indoors and outdoors • Sturdy aluminium construction • Load-bearing capacity: 4.5 kg • Colour: white • 1 opening with 2.5 cm diameter for cabling 	
Dimensions (H × Ø)	45 × 165 mm	460 × 165 mm
Scope of delivery	Installation Box for Hemispheric Camera	Installation Box With 23/46 cm Ceiling Bracket for Hemispheric Camera
Required accessories	TVIP83900 IP Fisheye 3 MPx • IPCS24500 IP Fisheye 12 MPx	
Recommended accessories	-	-



Item number	TV8390	TV8391	TV8392
Description	Camera Mount 125 mm	Camera Mount 215 mm	Arch Camera Mount 250 x 160 mm
	<ul style="list-style-type: none"> • Compatible with IPCA58000, IPCA52010, IPCA52000, IPCA53000, HDCC50000 • Elegant aluminium mount • 360° ball joint with quick release • Internal cable routing possible • Load capacity: 4 kg • 1/4" tripod screw 		
Dimensions (W × H × D)	40 × 125 × 40 mm	40 × 215 × 40 mm	40 × 160 × 250 mm
Scope of delivery	Camera Mount 125 mm	Camera Mount 215 mm	Arch Camera Mount 250 x 160 mm
Required accessories	IPCA52010 IP Boxtype 2 MPx (1080p, 3 x WDR) • IPCA58000 IP Boxtype 8 MPx (4K) • IPCA52000 Outdoor IP Boxtype 1080p • IPCA53000 Universal IP Boxtype 3 MPx • HDCC50000 Universal Analog HD Boxtype 1080p		
Recommended accessories	-	-	-



Item number	TV8393	TV8394
Description	Extension for Camera Mount 100 mm	Extension for Camera Mount, 200 mm
	<ul style="list-style-type: none"> • Compatible with TV8390, TV8391, TV8392 • Elegant aluminium mount • Load capacity: 4 kg • Internal cable routing possible 	
Dimensions (W × H × D)	40 × 100 × 40 mm	40 × 200 × 40 mm
Scope of delivery	Extension for Camera Mount, 100 mm	Extension for Camera Mount, 200 mm
Required accessories	TV8390 Camera Mount 125 mm • TV8391 Camera Mount 215 mm • TV8392 Arch Camera Mount 250 x 160 mm	
Recommended accessories	-	-



Item number	TVAC31320X	TVAC31300X	TVAC31381X
Description	Wall mount bracket black	Installation box black	Pole mount black
	<ul style="list-style-type: none"> Compatible with IPCB72515A, IPCB74515B, IPCB78515A, IPCB74615B, IPCB78615A, HDCC71510, HDCC72510, HDCC72550, HDCC73550, HDCC75550, HDCC78550 Internal cable routing possible Robust aluminum construction for indoor and outdoor use Colour: Black Can be combined with the installation box TVAC31300X 	<ul style="list-style-type: none"> Can only be used in combination with TVAC31310, TVAC31311, TVAC31320, TVAC31320X, TVAC31340 or TVAC31430 Compatible with TVAC31380, TVAC31381, TVAC31381X For a protected wiring indoors and outdoors Robust aluminum construction Internal cable routing possible Colour: Black 1 opening with G$\frac{3}{4}$, ' connection for cable entry 	<ul style="list-style-type: none"> Can Only be used in combination with TVAC31320X or TVAC31350X Compatible with TVAC31300X Bracket for easy Attachment to Masts and Pipes For a protected wiring Ideal for Masts with a Diameter of 67 – 127 mm
Dimensions (W × H × D)	142 × 184 × 235 mm	123 × 63 × 243 mm	117 × 143 × 194 mm
Scope of delivery	Wall mount bracket	Installation box	pole mount
Required accessories	IPCB74615B IP Dome 4 MPx Black (4 mm) • IPCB78615A IP Dome 8 MPx Black (4K, 2.8 mm)	TVAC31381X Pole mount black • TVAC31320X Wall mount bracket black	TVAC31320X Wall mount bracket black • IPCB64620 IP Tube 4 MPx Black (2.8 - 12 mm) • IPCB68620 IP Tube 8 MPx Black (4K, 2.8 - 12 mm)
Recommended accessories	TVAC31300X Installation box black • TVAC31381X Pole mount black	-	TVAC31300X Installation box black



Item number	TVAC31350X	TVAC31450X	TVAC31460X
Description	Installation box black	Wall mount bracket black	Installation box black
	<ul style="list-style-type: none"> Compatible with IPCB64620, IPCB68620 For a protected and concealed wiring indoors and outdoors Robust aluminum construction Colour: black 	<ul style="list-style-type: none"> Compatible with IPCB42510A / B / C, IPCB42515A, IPCB44510A / B / C, IPCB42501, IPCB42551 Internal cable routing possible Robust aluminum construction for indoor and outdoor use Colour: Black 	<ul style="list-style-type: none"> Only in combination with TVAC31450X can be used For a protected and hidden wiring Robust aluminum construction Color: black
Dimensions (W × H × D)	55 × 55 × 135 mm	120 × 120 × 170 mm	50 × 130 mm
Scope of delivery	Installation box	Wall bracket	
Required accessories	IPCB64620 IP Tube 4 MPx Black (2.8 - 12 mm) • IPCB68620 IP Tube 8 MPx Black (4K, 2.8 - 12 mm)	-	TVAC31450X Wall mount bracket black
Recommended accessories	TVAC31381X Pole mount black	TVAC31460X Installation box black • TVAC31475X IP Mini Dome Cover black • TVAC31381X Pole mount black	TVAC31381X Pole mount black

DOMES



Item number	TVAC31475X
Description	IP Mini Dome Cover black
	<ul style="list-style-type: none"> Cover for ABUS Mini Dome IP Camera Colour: Black Suitable for all ABUS Mini Dome IP Cameras Easy to install
Dimensions (H × Ø)	38 × 99 mm
Scope of delivery	IP Mini Dome Cover
Required accessories	IPCB42510A IP Mini Dome 2 MPx (1080p, 2.8 mm) • IPCB42510B IP Mini Dome 2 MPx (1080p, 4 mm) • IPCB42510C IP Mini Dome 2 MPx (1080p, 6 mm) • IPCB42515A IP Mini Dome Wi-Fi 2 MPx (1080p, 2.8 mm) • IPCB44510A IP Mini Dome 4 MPx (2.8 mm) • IPCB44510B IP Mini Dome 4 MPx (4 mm) • IPCB44510C IP Mini Dome 4 MPx (6 mm)
Recommended accessories	-



Item number	TVAC31090
Description	Tinted Dome for IPCB72501, IPCB72520, IPCB74520, IPCB78520
	<ul style="list-style-type: none"> Polycarbonate dome Windproof and weatherproof (IP66) The camera's angle of view remains hidden
Dimensions (H × Ø)	64 × 110 mm
Scope of delivery	Tinted Dome
Required accessories	IPCB72501 Universal IP Dome IR 1080p (2.8 - 12 mm) • IPCB72520 IP Dome 2 MPx (1080p, 2.8 - 12 mm) • IPCB74520 IP Dome 4 MPx (2.8 - 12 mm) • IPCB78520 IP Dome 8 MPx (4K, 2.8 - 12 mm)
Recommended accessories	-

OUTDOOR HOUSING



Item number	TVAC70201	TV8496
Description	Outdoor Housing with Heating and Power Supply	Pole Mount
	<ul style="list-style-type: none"> Protection class IP68/IK10 Integrated 12 V DC (1.5 A, gross) power supply unit Internal cable routing Two integrated heating elements Suitable for use in any outdoor area 	<ul style="list-style-type: none"> Compatible with TVAC70200 For mounting the weatherproof housing on masts and poles
Dimensions (W × H × D)	154 × 123 × 410 mm	120 × 120 × 20 mm
Scope of delivery	Outdoor Housing with Heating and Power Supply · Joint component · Mounting set	Pole Mount for TVAC70200 · 2 x Pole mounts, 83 - 178 mm · Pole mounts, 64 - 127 mm · User guide
Required accessories	IPCA53000 Universal IP Boxtype 3 MPx · IPCA52010 IP Boxtype 2 MPx (1080p, 3 x WDR) · HDCC50000 Universal Analog HD Boxtype 1080p	TVAC70200 Outdoor Housing with Heating and Power Supply · TVAC70201 Outdoor Housing with Heating and Power Supply
Recommended accessories	TV8496 Pole Mount	-



Item number	TVAC71070	TVAC31700
Description	IR Illuminator, 15 W, 10°- 95° changeable lens	Mounting bracket for IR illuminator
	<ul style="list-style-type: none"> Interchangeable diffuser lens 10°, 20°, 30°, 40°, 80° & 95° Range up to 130 m Weatherproof housing IP66 Variable power supply input 12-32 V DC / 24 V AC +/-10% Additional bracket available for horizontal alignment TVAC31700 Integrated photo sensor for automatic activation and deactivation Control input for remote switching Self-cleaning lens coating technology 	<ul style="list-style-type: none"> Additional mounting bracket available for a TVAC71070 IR Illuminator For horizontal pivoting of the IR illuminator up to 180° Stainless steel, black powder coated
Dimensions (W × H × D)	78 × 110 × 68 mm	113 × 100 × 75 mm
Scope of delivery	IR-Illuminator · Set of interchangeable lenses 10° to 95° · Mounting tool for interchangeable lens · Bracket · L-Wrench · Mounting material	Mounting bracket for IR illuminator · Matériel de montage
Required accessories	-	TVAC71070 IR Illuminator, 15 W, 10°- 95° changeable lens
Recommended accessories	TVAC31700 Mounting bracket for IR illuminator · TVAC35001 Plug-in Power Supply „International“ · TVAC35801 DC 2-Pin Adapter male · TVAC35520 CCTV Performance Power Supply 5 A	-

MONITORS



Item number	TVAC10001	TVAC10014	TVAC10033
Description	10.4" LED Monitor with BNC Input	21.5" LED Monitor with BNC Input	21.5" Full HD LED Monitor
	<ul style="list-style-type: none"> High contrast 10.4" LED monitor (4:3 format) Resolution: 800 x 600 pixels Connections: 1 x HDMI, 1 x VGA, 1 x BNC input, 1 x BNC output, 1 x audio input LED backlighting: Brilliant colour display and high contrast Integrated loudspeaker Compatible with VESA brackets Compact dimensions: ideal for checkout areas, for example 	<ul style="list-style-type: none"> High-contrast 21" LED monitor with bright colour display (16:9 format) Full HD resolution: 1.920 x 1.080 pixels Connections: 1 x HDMI, 2x BNC input and output for HD-TVI, HD-CVI, AHD and CVBS Plug & Play with all conventional analogue technologies LED backlighting: Brilliant colour display and high contrast Compatible with VESA brackets 	<ul style="list-style-type: none"> 21.5" LED Monitor with full HD resolution: 1920 x 1080 pixels Fast reaction time (5 ms) for flowing images Brilliant colour display and high contrast in 16:9 format Ideal for high-resolution full HD recording systems Graphical on-screen display (OSD) Connections: HDMI, VGA Low power consumption for long-term monitoring (LED technology) Compatible with VESA brackets for wall and ceiling installation
Dimensions (W × H × D)	268 × 222 × 29 mm	490 × 359 × 147 mm	489 × 378 × 110 mm
Scope of delivery	10.4" LED Monitor with BNC Input · HDMI cable · Power supply unit	21.5" LED Monitor with BNC port · Power supply · Cable HDMI · Important safety information	21.5" Full HD LED Monitor · Power supply · HDMI cable · Important safety information
Recommended accessories	TVAC10500 Wall Mounting Bracket for Monitors		



Item number	TVAC10061	TVAC10071	TVAC10101
Description	23.8" Full HD LED Monitor	27" 4K Ultra HD LED Monitor	7" Universal test monitor
	<ul style="list-style-type: none"> 24" LED monitor with full HD resolution: 1920 x 1080 pixels Fast reaction time (5 ms) for flowing images Brilliant colour display and high contrast in 16:9 format Ideal for high-resolution full HD recording systems Graphical on-screen display (OSD) Connections: HDMI, VGA Low power consumption for long-term monitoring (LED technology) Compatible with VESA brackets for wall and ceiling installation 	<ul style="list-style-type: none"> 27" LED monitor with 4K ultra HD resolution: 3840 x 2160 pixels Fast reaction time (5 ms) for flowing images Brilliant colour display and high contrast in 16:9 format Ideal for high-resolution 4K recording systems Graphical on-screen display (OSD) Connections: HDMI, DisplayPort (DP), PC audio output 3.5 mm Integrated loudspeaker Low power consumption for long-term monitoring (LED technology) 	<ul style="list-style-type: none"> Universal test monitor for the maintenance and installation of IP network cameras as well as analog TVI, CVI, AHD and CVBS cameras High-resolution 7" touch display with 1.280 x 800 pixels Supports 4K H.264 and 4K H.265 streams Compatible with third-party manufacturers over neutral protocol With network tools to maintain and verify the network Integrated PoE power supply with 24 W at the LAN port
Dimensions (W × H × D)	540 × 418 × 227 mm	615 × 400 × 250 mm	231 × 172 × 52 mm
Scope of delivery	23.8" Full HD LED Monitor · Power supply · HDMI cable · Important safety information	27" Full HD LED Monitor · Power supply · HDMI cable · Important safety information	7" Universal test monitor · Power Supply · International adapter for power supply · Cable tester No.255 · DC Cable · 3.5 mm jack adapter cable · RS-485 adapter cable · Carry bag · Large carrying strap · 2 x Small carrying strap
Recommended accessories	TVAC10500 Wall Mounting Bracket for Monitors	TVAC10500 Wall Mounting Bracket for Monitors	-

IP COMPONENTS



Item number	ITAC10100	ITAC10110
Description	4-Port PoE Gigabit Switch	8-Port PoE Gigabit Switch
	<ul style="list-style-type: none"> • Connections: 4 x PoE gigabit (downstream), 2 x gigabit (uplink) • Supports PoE and PoE+ • Plug & Play, no configuration required • Robust design, easy to install anywhere 	<ul style="list-style-type: none"> • Connections: 8 x PoE gigabit (downstream), 1 x gigabit (uplink) RJ45, 1 x gigabit (uplink) SFP • Supports PoE and PoE+ • Plug & Play, no configuration required • Robust design, easy to install anywhere
Dimensions (W x H x D)	86 x 27 x 135 mm	102 x 27 x 200 mm
Scope of delivery	4-Port PoE Gigabit Switch · Power Supply · Mounting material	8-Port PoE Gigabit Switch · Power Supply · Mounting material
Required accessories	-	-
Recommended accessories	-	ITAC10260 SFP Module Singlemode



Item number	ITAC10120	ITAC10130
Description	16-Port PoE Gigabit Switch Managed	24-Port PoE Gigabit Switch Managed
	<ul style="list-style-type: none"> • Connections: 16 x PoE gigabit (downstream), 4 x gigabit (uplink) SFP • Supports PoE and PoE+ • Temperature-controlled fan • Supports web-based Layer 2 network management and simple PoE management • Supports high-speed data-forwarding, particularly suitable for large volumes of data in professional video surveillance • Suitable for professional installation in a 19" rack 	<ul style="list-style-type: none"> • Connections: 24 x PoE gigabit (downstream), 4 x gigabit (uplink) SFP • Supports PoE and PoE+ • Temperature-controlled fan • Supports web-based Layer 2 network management and simple PoE management • Supports high-speed data-forwarding, particularly suitable for large volumes of data in professional video surveillance • Suitable for professional installation in a 19" rack
Dimensions (W x H x D)	320 x 45 x 442 mm	320 x 45 x 442 mm
Scope of delivery	16-Port PoE Gigabit Switch Managed · Power cable · Mounting material for 19" rack	24-Port PoE Gigabit Switch Managed · Power cable · Mounting material for 19" rack
Required accessories	-	-
Recommended accessories	ITAC10260 SFP Module Singlemode	-



Item number	ITAC10250	ITAC10260	TVAC23000
Description	1-Port Fiber Optical Converter	SFP Module Singlemode	Interface converter (RS232/RS485/RS422 -> TCP/IP)
	<ul style="list-style-type: none"> • Media converter: Network cable to optical fibre • Connections: 1 x gigabit SFP for optical fibre, 1 x gigabit RJ45 for Ethernet cable • Supports hot-plug and SFP modules of various power levels • Provides 6 kV overvoltage protection and 6 kV/8 kV EMC protection 	<ul style="list-style-type: none"> • SFP modules for LC plugs according to SFF-8472 standard • Supports hot-plug • Supports single-mode optical fibres • Transmission distance of up to 20 km • 1310 nm FP laser • Complies with the IEC-60825 laser safety standard 	<ul style="list-style-type: none"> • Universal data converter makes your serial terminal network-ready • Supports the most common serial interfaces RS232, RS422 and RS485 • Supports data baud rate 1200 to 115200 bps • Supports auto MDI / MDIX • Supports three operation modes TCP Server, TCP Client and UDP Mode
Dimensions (W x H x D)	82 x 103 x 25 mm	14 x 6 x 56 mm	67 x 110 x 27 mm
Scope of delivery	1-Port Fiber Optical Converter · Power Supply · Mounting material	SFP module	Interface converter (RS232/RS485/RS422 -> TCP/IP) · Power Supply · Mounting material
Required accessories	ITAC10260 SFP Module Singlemode	ITAC10110 8-Port PoE Gigabit Switch · ITAC10120 16-Port PoE Gigabit Switch Managed · ITAC10130 24-Port PoE Gigabit Switch Managed · ITAC10250 1-Port Fiber Optical Converter	-
Recommended accessories	-	-	-



Item number	ITAC10300	ITAC10310
Description	Powerline Adapter	Powerline PoE Adapter
	<ul style="list-style-type: none"> • Data transmission via available power grid • Integrated gigabit RJ45 connection • Integrated socket for powering your network device • Fast transmission rates of up to 1000 Mbit/s according to G.hn (HomeGrid standard) • Supports up to 16 adapters in a network • Secure transmission thanks to 128 bit AES encryption 	<ul style="list-style-type: none"> • Data transmission via available power grid • Integrated 100 Mbit/s RJ45 connection with 15.4 W PoE power • Supports PoE for direct operation of your PoE-capable network device at the Powerline Adapter • Fast transmission rates of up to 1000 Mbit/s according to G.hn (HomeGrid standard) • Supports up to 16 adapters in a network • Secure transmission thanks to 128 bit AES encryption
Dimensions (W x H x D)	55 x 123 x 38 mm	59 x 93 x 38 mm
Scope of delivery	Powerline Adapter · Ethernet cable	Powerline PoE Adapter · Ethernet cable
Required accessories	-	-
Recommended accessories	-	-



Item number	ITAC10200	ITAC10210
Description	2-Port PoE Repeater	Network Surge Protection
	<ul style="list-style-type: none"> Up to 200 m extension of a 100 Mbit/s Ethernet PoE/PoE+ cable 2 x 100 Mbit/s PoE outputs for simple cascading No additional power supply required Supports PoE and PoE+ Compatible with end-span and mid-span PoE Plug & Play, no configuration required Robust design, easy to install anywhere 	<ul style="list-style-type: none"> Protects cameras and recorders from overvoltage in the network line Supports PoE and PoE+ Compatible with end-span and mid-span PoE Fast tripping time of less than 1 ns Complies with the IEC61643-21:2000 standard SPD Type 3
Dimensions (W x H x D)	82 x 25 x 103 mm	52 x 28 x 110 mm
Scope of delivery	2-Port PoE Repeater • Mounting material	Network Surge Protection
Required accessories	-	-
Recommended accessories	ITAC10100 4-Port PoE Gigabit Switch • ITAC10110 8-Port PoE Gigabit Switch • ITAC10120 16-Port PoE Gigabit Switch Managed • ITAC10130 24-Port PoE Gigabit Switch Managed	-



Item number	TVAC25005	TVAC25001
Description	PoE Injector, 60 W	PoE Injector, 30 W
	<ul style="list-style-type: none"> For transmitting data and power to High PoE-compatible network cameras via network cable For cameras of up to 60 watt power consumption Transmission range of up to 100 m Compatible with ABUS model IPCS83500, IPCS82530, IPCS82520, IPCS82500 	<ul style="list-style-type: none"> For transmitting power and data via network cable to all PoE capable network cameras Transmission range up to 100 m PoE+ with 30 W output power Meets IEEE 802.3af/at, IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T standard
Dimensions (W x H x D)	70 x 36 x 180 mm	60 x 64 mm
Scope of delivery	PoE Injector, 60W	PoE Injector • Power cable • Clamp for power cable
Required accessories	IPCS83500 IP PTZ 3 MPx (36x) • IPCS82530 IP PTZ 2 MPx (1080p, 36x, Ultra Low-Light) • IPCS82520 IP PTZ 2 MPx (1080p, 23x, Ultra Low-Light) • IPCS82500 IP PTZ 2 MPx (1080p, 20x)	-
Recommended accessories	-	-



Item number	TVAC26030
Description	DVR/PTZ network controller
	<ul style="list-style-type: none"> 3D joystick with zoom in/out function Direct control of a DVR/NVR possible Direct access to the OSD of the dome camera possible LCD display for viewing RS485 interface / RJ45 interface
Dimensions (W x H x D)	345 x 118 x 165 mm
Scope of delivery	DVR/NVR/PTZ Controller • 8-pin terminal connector • Power supply unit
Required accessories	-
Recommended accessories	-



Item number	TVAC26010
Description	USB Keyboard for ABUS CMS
	<ul style="list-style-type: none"> Simple PTZ control of cameras with ABUS CMS software 3-axis joystick (horizontal/vertical/rotation) 15 freely configurable buttons for presets/patrols and other functions 2 shortcut buttons on the control handle for taking snapshots Power supply and data transmission via USB Plug and play installation via USB port
Dimensions (W x H x D)	167 x 116 x 177 mm
Scope of delivery	USB Keyboard for ABUS CMS/NVR
Required accessories	-
Recommended accessories	-

POWER SUPPLY



Item number	TVAC35500	TVAC35510	TVAC35520
Description	CCTV Performance Power Supply 2 A	CCTV Performance Power Supply 3 A	CCTV Performance Power Supply 5 A
	<ul style="list-style-type: none"> • Regulated 13.8 V DC output signal • Electronic overload protection • Additional 1.0 charging current for backup battery (with holding charge) • LED control indicators for mains and fuse • Rugged metal housing 		
Dimensions (W × H × D)	338 × 281 × 86 mm	338 × 281 × 86 mm	338 × 281 × 86 mm
Scope of delivery	CCTV Performance Power Supply 2 A · Instruction guide · Installation material	CCTV Performance Power Supply 3 A · Installation manual · Installation material	CCTV Performance Power Supply 5 A · Installation manual · Installation material
Required accessories	-	-	-
Recommended accessories	TVAC35800 DC 2-Pin Adapter female		



Item number	TVAC35202	TVAC35001
Description	Mini clip built-in power supply unit 12V / 1A	Plug-in Power Supply „International“
	<ul style="list-style-type: none"> • Quick installation: lever spring clamp means tool is not required • Quick installation in 55 mm flush sockets • Input voltage: 230 V AC • Output voltage: 12 V DC at 1.0 A 	<ul style="list-style-type: none"> • Flexible switching power supply for international use • 4 different plug adapters (EU, AUS, UK, US) • Output voltage 12 V DC with 1.5 A
Dimensions (W × H × D)	55 × 51 × 26 mm	43.5 × 74 × 35.5 mm
Scope of delivery	Mini clip built-in power supply unit	Plug-in Power Supply „International“ · 4 different plug attachments (EU, AUS, UK, US)
Required accessories	-	-
Recommended accessories	TVAC35800 DC 2-Pin Adapter female	-

ADDITIONAL ACCESSORIES



Item number	TVAC65502	TVAC65600	TVAC35800	TVAC40890
Description	1/2.7" IR Vario Megapixel Lens 2.8 – 10 mm	1/2.7" IR Vario Megapixel Lens 12.5 – 50.0 mm	DC 2-Pin Adapter female	RJ45 Connector
	<ul style="list-style-type: none"> • Suitable for megapixel cameras • Compatible with IR light • Optimised edge clarity and light sensitivity 	<ul style="list-style-type: none"> • Suitable for megapixel cameras • Finer focus adjustment with improved focus ring lock • Compatible with IR light • Optimised edge clarity and light sensitivity 	<ul style="list-style-type: none"> • Connection of a 2 wire power supply to the round plug (DC) of the camera 	<ul style="list-style-type: none"> • Suited for CAT-5 cable
Dimensions (W × H × D)	49 × 49 × 59 mm	63 × 60 mm	35 × 14 × 13 mm	-
Scope of delivery	1/2.7" IR Vario Megapixel Lens 2.8 – 10 mm · User guide	1/2.7" IR Vario Megapixel Lens 12.5 – 50.0 mm · User guide	DC/2 Pin Adapter	RJ45 Connector · Bend relief
Required accessories	IPCA52010 IP Boxtype 2 MPx (1080p, 3 x WDR) · IPCA52000 Outdoor IP Boxtype 1080p · IPCA53000 Universal IP Boxtype 3 MPx · HDCC50000 Universal Analog HD Boxtype 1080p	IPCA52010 IP Boxtype 2 MPx (1080p, 3 x WDR) · IPCA52000 Outdoor IP Boxtype 1080p · IPCA53000 Universal IP Boxtype 3 MPx · HDCC50000 Universal Analog HD Boxtype 1080p	-	-
Recommended accessories	-	-	-	-



Item number	AU1420	AU1421
Description	Warning Sticker CCTV surveillance with ABUS Logo, 148 x 105mm	Warning Sticker CCTV Surveillance with ABUS Logo, 74 x 52,5mm
	<ul style="list-style-type: none"> • Printed on both sides • Reflective • For attachment on and behind glass • Weatherproof • Notice of video surveillance is required by law in public areas 	
Dimensions (W × Ø)	148 × 105 mm	74 × 52.5 mm
Scope of delivery	Warning Sticker CCTV surveillance with ABUS Logo, 148 x 105mm	Warning Sticker CCTV Surveillance with ABUS Logo, 74 x 52,5mm
Required accessories	-	-
Recommended accessories	-	-

STORAGE MEDIA



Item number	TVAC41010	TVAC41020	TVAC41030	TVAC41040
Description	1 TB 3.5" SATA HDD	2 TB 3.5" SATA HDD	3 TB 3.5" SATA HDD	4 TB 3.5" SATA HDD
	<ul style="list-style-type: none"> Hard drive with 1 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption 	<ul style="list-style-type: none"> Hard drive with 2 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption 	<ul style="list-style-type: none"> Hard drive with 3 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption 	<ul style="list-style-type: none"> Hard drive with 4 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption
Dimensions (W × H × D)	102 × 20 × 147 mm	102 × 26 × 147 mm	102 × 26 × 147 mm	102 × 26 × 147 mm
Scope of delivery	SATA hard drive, 1 TB	SATA hard drive, 2 TB	SATA hard drive, 3 TB	SATA hard drive, 4 TB
Required accessories	NVR10010 5-Channel Network Video Recorder (NVR) • NVR10020 8-Channel Network Video Recorder (NVR) • NVR10030 16-Channel Network Video Recorder (NVR) • NVR10040 32-Channel Network Video Recorder (NVR) • HDCC90001 4-channel analog HD video recorder • HDCC90011 8-channel analog HD video recorder • HDCC90021 16-channel analog HD video recorder			
Recommended accessories	-	-	-	-



Item number	TVAC41060	TVAC41080	TVAC41090
Description	6 TB 3.5" SATA HDD	8 TB 3.5" SATA HDD	10 TB 3.5" SATA HDD
	<ul style="list-style-type: none"> Hard drive with 6 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption 	<ul style="list-style-type: none"> Hard drive with 8 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption 	<ul style="list-style-type: none"> Hard drive with 10 TB storage capacity and form factor 3.5" Optimised for use in an ABUS recording system (NVR & DVR) Suitable for 24/7 recording Low power consumption
Dimensions (W × H × D)	102 × 26 × 147 mm	102 × 26 × 147 mm	102 × 26 × 147 mm
Scope of delivery	SATA hard drive, 6 TB	8 TB 3.5" SATA HDD	10 TB 3.5" SATA HDD
Required accessories	NVR10010 5-Channel Network Video Recorder (NVR) • NVR10020 8-Channel Network Video Recorder (NVR) • NVR10030 16-Channel Network Video Recorder (NVR) • NVR10040 32-Channel Network Video Recorder (NVR) • HDCC90001 4-channel analog HD video recorder • HDCC90011 8-channel analog HD video recorder • HDCC90021 16-channel analog HD video recorder		
Recommended accessories	-	-	-



Item number	TVAC41100	TVAC41110	TVAC41120	TVAC41130
Description	MicroSD card, 32 GB	MicroSD card, 64 GB	MicroSD card, 128 GB	MicroSD card, 256 GB
	<ul style="list-style-type: none"> Ideal for storing video data during long-term continuous operation High write speed of up to 100 MB/s (class 10) Tested for adverse operating conditions: shock-resistant, waterproof and able to withstand extreme temperatures 	<ul style="list-style-type: none"> Ideal for storing video data during long-term continuous operation High write speed of up to 20 MB/s (class 10) Tested for adverse operating conditions: shock-resistant, waterproof and able to withstand extreme temperatures 	<ul style="list-style-type: none"> Ideal for storing video data during long-term continuous operation High write speed of up to 100 MB/s (class 10) Tested for adverse operating conditions: shock-resistant, waterproof and able to withstand extreme temperatures 	<ul style="list-style-type: none"> Ideal for storing video data during long-term continuous operation High write speed of up to 100 MB/s (class 10) Tested for adverse operating conditions: shock-resistant, waterproof and able to withstand extreme temperatures
Scope of delivery	MicroSD Card 32GB • Adapter microSD to SD	MicroSD Card 64GB • Adapter microSD to SD	MicroSD Card 128 GB • Adapter microSD to SD	MicroSD Card 256 GB • Adapter microSD to SD
Required accessories	-	-	-	-
Recommended accessories	-	-	-	-



Item number	TVAC40801	TVAC40811	TVAC40831	TVAC40841	TVAC40851
Description	0,5 m CAT 6A S/FTP PIMF patch cable	1 m CAT 6A S/FTP PIMF patch cable	5 m CAT 6A S/FTP PIMF patch cable	10 m CAT 6A S/FTP PIMF patch cable	20 m CAT 6A S/FTP PIMF patch cable
	<ul style="list-style-type: none"> Twisted pair cable with RJ45 plug Suitable for Ethernet networks up to 10 gigabits per second Designed for operating frequencies up to 500 MHz Cores shielded in pairs with metal foil The entire cable is also provided with a braided shield RoHS compliant 				
Scope of delivery	0.5 m CAT 6A S/FTP PIMF patch cable	1 m CAT 6A S/FTP PIMF patch cable	5 m CAT 6A S/FTP PIMF patch cable	10 m CAT 6A S/FTP PIMF patch cable	20 m CAT 6A S/FTP PIMF patch cable
Required accessories	-	-	-	-	-
Recommended accessories	-	-	-	-	-

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