

# ABUS IP video surveillance 4-Channel PoE complete set

Art.-Nr. TVVR36420T

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A complete package for a professional surveillance solution - with PoE

Video surveillance made easy with everything in one set

This complete set makes it easier to install video surveillance in both indoor and outdoor areas. The set includes a 4-channel PoE network recorder with a built-in 1 TB hard drive for multi-week non-stop recording, two PoE-enabled outdoor Wi-Fi cameras, three power supply units and connection accessories.

Professional recording technology that is easy to operate

The recorder starts recording manually, following a time schedule or using a motion sensor. It can be operated conveniently using a mouse or via the ABUS iDVR Plus app. The video images are stored in brilliant quality at 25 frames/second (real time), only take up a small amount of space on the hard disk drive and have been optimised for quick network access via integrated broadband interface (1000 Mbit/s). The outdoor Wi-Fi cameras with IR night vision function and digital WDR function for optimal backlight compensation meet the requirements of protection class IP66 and are particularly suitable for continuous surveillance of entrance areas both at day and night. Up to four cameras can be integrated into the system.

Quick and easy installation via direct PoE connection or router

The PoE-enabled cameras can be connected directly to the recorder at the PoE interfaces (ports). The video data is then transmitted to the recorder using the network cables provided and the cameras are powered by the same cable from the recorder. This means that a separate power cable for each individual camera is not needed. Alternatively, the cameras can be paired with the router wirelessly via Wi-Fi. However, a separate power supply is required.

Note on the night vision function of the cameras

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The effective IR range will depend on the installation location.

## Technologies

- Complete set with four-channel network PoE recorder, two 2MPx cameras, 1 TB hard disk drive, two 18 m network cables
- Recorder with 4 PoE (Power over Ethernet) interfaces
- Detailed full HD (2MPx) resolution of 1920 x 1080 pixels at 25 frames/second
- Incl. 1 TB hard disk drive for approx. six weeks of continuous recording
- Incl. 2MPx Wi-Fi camera for indoors and outdoors
- Up to 4 IP cameras can be individually integrated over LAN or Wi-Fi
- 4K HDMI output for simultaneous native view of four full HD (2MPx) IP cameras
- Recording via motion detection, following a time schedule or continuously
- Web and mobile access to live images using the iDVR Plus app or browser
- With DWDR function for backlight compensation – ideal for entrance areas

## Technical data - ABUS IP video surveillance 4-Channel PoE complete set

PSTI conformity required	No
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## Technical data - ABUS IP video surveillance 4-channel PoE recorder

Alarming	Acoustic warning signal, OSD signal, e-mail
Audio input	1x Cinch (2.0Vp-p, 1KΩ)
Audio output	1x Cinch (Line, 1KΩ)
Compatible with Secvest	No
Compatible with Smartvest	Yes
Compatible with wAppLoxx	No
DC voltage supply	48 V
Dimensions	(W x L x H) 315 x 240 x 48 mm
Gross weight	2,8 kg
Housing	1U Chassis
Housing material	Metal, Plastic
IP video channels	4
Max. humidity	90 %
Max. operating temperature	55 °C
Max. resolution @ frame rate	8MPx @ 25/30fps
Min. humidity	10 %
Min. operating temperature	-10 °C
Net weight	2,1 kg
Network access	1x RJ-45 10/100/1000 Mbit/s self-adaptive Ethernet interface
Network protocols	TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS

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## Technical data - ABUS IP video surveillance 4-channel PoE recorder

OSD language	DE, UK, FR, NL, DK, IT, PL, ES, SE
PSTI conformity required	No
Performance decoding (local live view & playback)	4x 2MPx, 1x 4Mpx, 1x 8MPx
PoE connections	4x RJ-45 10/100 Mbit/s self-adaptive Ethernet interfaces
PoE power	50 W
PoE standard	IEEE 802.3 af/at (max.50W)
Power	65
Recording modes	Manual, time schedule, motion detection, alarm, VCA
Recording resolution @ frame rate per camera	8MPx / 6MPx / 5 MPx / 4 MPx / 3 MPx / 2MPx / UXGA / 1MPx / VGA / 4CIF / DCIF / 2QIF / CIF / QCIF @ 25/30fps
Resolution HDMI output	4K (3840 × 2160) / 30Hz, 1920 × 1080p / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz; HDMI/VGA simultaneous output
Resolution VGA output	1920 × 1080p / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz; HDMI/VGA simultaneous output
Software	ABUS Link Station (iOS & Android) / IP Installer
Storage medium	1x Sata interface (3,5" HDD, max. 6TB) / NAS
Supported browsers	IE11 (Plugin)
Synchronous playback	4
Total network throughput (input/output)	(40 / 80) Mbit/s
USB connection	2x USB 2.0
Video Content Analysis (VCA)	On camera support: Tripwire Detection, Intrusion Detection
Video compression	H.265 / H.265 Plus / H.264 / H.264 Plus / MPEG4
EAN	4043158143928

## Technical data - ABUS IP video surveillance 2MPx Wi-Fi mini tube camera

Alarming	Email
Aperture	F2.0
Channel width	20 MHz
Colour	White
Compatible with	TVVR36xxx / TVVR33xxx / NVRxxxxx
Compatible with Secvest	Yes
Compatible with Smartvest	No
Compatible with wAppLoxx	Yes
DC voltage supply	12 V
Day/night switching	Auto / Manual / Schedule
Dimensions	(Ø x L) 70 x 157 mm

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## Technical data - ABUS IP video surveillance 2MPx Wi-Fi mini tube camera

Encryption	64/128-bit WEP / WPA/WPA2 / WPA-PSK/WPA2-PSK / WPS
Focal length	2,8 mm
Frequency range	2,4 - 2,4835 GHz
Gross weight	0,778 kg
Horizontal viewing angle	85 °
Housing material	Metal / Plastic
IP protection class	67
IR LEDs	Yes
IR range (up to)	20 m
IR swivel filter	Yes
Image enhancement	BLC / Digital WDR
Image sensor	1/2.8" CMOS
Image settings	Brightness / Contrast / Saturation / Sharpness / Mirroring
Lens mount	M12
Loudspeaker	No
Max. humidity	95 %
Max. operating temperature	60 °C
Max. resolution @ frame rate	1920 x 1080 @ 25/30 fps
Microphone	No
Min. operating temperature	-30 °C
Minimum illumination (IR)	0 lx
Minimum illumination (colour)	0,028 lx
Net weight	0,5 kg
Network access	1x RJ-45 10/100 Mbit/s self-adaptive Ethernet Anschluss
Network protocols	TCP/IP / ICMP / HTTP / HTTPS / FTP / DHCP / DNS / DDNS / RTP / RTSP / RTCP / PPPoE / NTP / UPnP / SMTP / IPv6
Noise reduction	3D DNR
Number of users	32
OSD language	DE / UK / FR / NL / DK / IT / PL / ES / SE
Optical Wave Length	850 nm
PSTI conformity required	No
PoE standard	802.3af
Power consumption	5,8 W
Private zones	4
Recording modes	Manual / time schedule / motion detection
Resolution modes	1920 x 1080 / 1280 x 960 / 1280 x 720 @ 25/30 fps
Sensitivity	11b: -90dBm / 11g: -75dBm / 11n: -74dBm
Software	IPCam Plus (iOS & Android) / iDVR Plus (iOS & Android) / IP Installer

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## Technical data - ABUS IP video surveillance 2MPx Wi-Fi mini tube camera

Storage medium	MicroSD (max. 128GB) / NAS
Supported browsers	Internet Explorer, Edge, Chrome, Firefox, Safari
Technology	IP
Transmission power	11b: 17 +/- 1,5dBm / 11g: 14 +/- 1,5dBm / 11n: 12,5 +/- 1,5dBm
User levels	3
Video compression	H.264 / MJPEG
WLAN network access	IEEE802.11b/g/n / 11b @ 11Mbit/s / 11g @ 54Mbit/s / 11n @ 150Mbit/s
White balance	Auto white balance (AWB) / incandescent lamp / warm light / natural light / fluorescent lamp
Wireless range	(Depending on installation) 20 - 50 m
EAN	4043158140293