IP Mini Tube 4 MPx (2.8 mm, WL)



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SMALL CAMERA, BIG DETAILS AT NIGHT

This IP Mini Tube is a compact LAN camera with full colour day/night function and delivers images in 4 MPx resolution. With its white light LEDs in IP67 housing, it is designed for indoor/outdoor use by day and night. Mobile access to the camera via ABUS Link Station app.

Discreet surveillance: strong in the dark

Clear colour images in total darkness thanks to full-colour day/night technology - rich in detail for solid evidence. The slightest residual light is effectively amplified by the special lens and the extra light-sensitive image sensor. The white light LEDs provide a touch of extra light for the image sensor, barely visible to the eye.

2 variants for max. flexibility

The camera is available with 2 focal lengths: 2.8 mm / 108° field of view (IPCS34511A) and 4 mm / 95° (IPCS34511B).

Autom. Object recognition

The security camera distinguishes relevant movements (people, vehicles) from interferences (branches, light, etc.) - and minimises unnecessary motion alarms.

Recording and compatibility

Recording is done on ABUS NVR, VMS or microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro.

Quick start-up

Mounting with protected cable via installation box (TVAC32600). The ABUS IP Installer software simplifies the setup in the network.

Notes: Without power supply unit, because PoE.

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The effective LED range varies depending on the location.

Technologies

- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 2.8 mm fixed-focus lens for a good overview (108° field of view)
- Detailed, highly usable colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and very light-sensitive image sensor
- Discreet illumination of the field of view with white-light LEDs (up to 30 m range) for accurate colour images in total darkness (e.g. indoors); touch of illumination for the light-sensitive image sensor (barely visible to the human eye)
- Object recognition (human & vehicle): Video content analysis with fully automatic differentiation between people/vehicles and interferences (branches, light, etc.)
- Optional output of 3 video streams in ideal resolution for, e.g., live image, recording, mobile access, etc.
- Sturdy, weatherproof housing (IP67)
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP)
- microSD card slot for internal data storage, encrypted for high data security (optional)
- 12 V DC & PoE (802.3af)

Technical data - IP Mini Tube 4 MPx (2.8 mm, WL)

Additional functions	White light range up to 30 m
Alarming	E-Mail, NAS, FTP
Aperture at minimum	F1.0
illumination (colour)	
Audio	Integrated: Microphone
Backlight compensation	WDR, BLC, HLC
Camera type	Mini Tube
Compatible with	ABUS NVR/DVR, ABUS Link Station App, Synology Surveillance Station 6.0.1+
Compatible with ABUS Link	Yes
Station	
Compatible with Comfion	Yes
Compatible with Secoris	Yes
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes
Compatible with wAppLoxx	Yes
Pro	
Connections	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V
Design	Mini Tube
Digital zoom	Yes





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Technical data - IP Mini Tube 4 MPx (2.8 mm, WL)

Dynamic range (WDR) 120 dB	Dimensions	(LxWxH) 223x85x85 mm
Encryption HTTPS, TLS 1.1/1.2 Focal length 2,8 mm Frame rate 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30 fps Functions Scene Change Detection, Region of Interest Gross weight 0,7 kg Height 85 mm Horizontal viewing angle 108 ° Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image enhancement UMR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image enhancement UMR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image integration Yes Image integration Yes Image enhancement UMR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Ima	Dynamic range (WDR)	120 dB
Focal length 2,8 mm Frame rate 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30 fps Functions Scene Change Detection, Region of Interest Gross weight 0,7 kg Height 85 mm Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image ensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access R145 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. humidity 95 % Max. resolution @ frame rate 2688 x 1520 @ 30 fps Minimum illumination 0,0005 lx (colour) Ves Minimum illumination 0,5 kg Network camera protocols 8 zones Network camera a protocols 19v4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SMMP	Electronic shutter	1/3 - 1/100000 s
Frame rate 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30 fps Functions Scene Change Detection, Region of Interest Gross weight 0,7 kg Height 85 mm Horizontal viewing angle 108 ° Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access R1/45 ToM/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature -275 °C Minimum illumination (colour) Motion detection 8 z ones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMP Noise reduction 3D RN Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Dieset Classification Person/Vehicle Pixels (effective) 2688(h) x 1520(v) pixel	Encryption	HTTPS, TLS 1.1/1.2
Functions Scene Change Detection, Region of Interest Gross weight 0,7 kg Height 85 mm Horizontal viewing angle 108 ° Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols 19 Ves/Ve, FR, NL, DK, IT Noise reduction 3D DNR Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions 1EEE 802.3af DEES 4530(v) pixel	Focal length	2,8 mm
Gross weight 0,7 kg Height 85 mm Houziontal viewing angle 108 ° Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image sensor 1/11.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. operating temperature 60 °C Max. perating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature -25 °C Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, Qos, 802.1X, IGMP, Bonjour, PPPoE, SMMP Noise reduction 3D DNR Number of streams 3 Number of users 32	Frame rate	1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30 fps
Height 85 mm Horizontal viewing angle 108 ° Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor 171.8" Progressive Scan CMOS Installation type (eiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature 4-25 °C Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/V6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel POE standard IEEE 802.3af	Functions	Scene Change Detection, Region of Interest
Horizontal viewing angle Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor Int.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature Aminimum illumination (colour) Motion detection S zones Net weight Noise reduction Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, III DHE (Green) DES Standard DES SCENCIA (SI) A CONTROLLED (SI) A CONTROLLED (SI) DES Standard DES SCENCIA (SI) A CONTROLLED (SI) DES SCENCI	Gross weight	0,7 kg
Housing material Metal IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Minimum illumination 0,0005 lx (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SMMP Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel POE standard IEEE 802.3af	Height	85 mm
IP protection class 67 Image enhancement WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode) Image integration Yes Image sensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature -25 °C Minimum illumination (colour) Motion detection 8 zones Net weight O,5 kg Network camera protocols IPv4/V6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SMMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel POE standard IEEE 802.3af	Horizontal viewing angle	108 °
Image enhancementWDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)Image integrationYesImage sensor1/1.8" Progressive Scan CMOSInstallation typeCeiling, WallLAN network accessRJ45 10M/100M self-adaptiveLanguage of instructionsDE, UK, FR, NL, DKLength223 mmLensFixMax. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPV4/V6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Housing material	Metal
Image integrationYesImage sensor1/1.8" Progressive Scan CMOSInstallation typeCeiling, WallLAN network accessRJ45 10M/100M self-adaptiveLanguage of instructionsDE, UK, FR, NL, DKLength223 mmLensFixMax. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMir. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMPNoise reduction3D DNRNumber of streams3Number of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	IP protection class	67
Image sensor 1/1.8" Progressive Scan CMOS Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature -25 °C Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPV4/V6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SMMP Number of streams 3 Number of streams 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel	Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Installation type Ceiling, Wall LAN network access RJ45 10M/100M self-adaptive Language of instructions DE, UK, FR, NL, DK Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 268 x 1520 @ 30 fps Microphone Yes Min. operating temperature -25 °C Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPV4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMP Number of streams 3 Number of streams 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel	Image integration	Yes
LAN network accessRJ45 10M/100M self-adaptiveLanguage of instructionsDE, UK, FR, NL, DKLength223 mmLensFixMax. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMPNoise reduction30 DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Image sensor	1/1.8" Progressive Scan CMOS
Length 223 mm Lens Fix Max. humidity 95 % Max. operating temperature 60 °C Max. resolution @ frame rate 2688 x 1520 @ 30 fps Microphone Yes Min. operating temperature -25 °C Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols PyP4/V6, HTTP, HTTPS, FTP, SMTP, UPNP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMP Number of streams 3 Number of streams 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel POE standard IEEE 802.3af	Installation type	Ceiling, Wall
Length223 mmLensFixMax. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	LAN network access	RJ45 10M/100M self-adaptive
Length223 mmLensFixMax. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Language of instructions	DE, UK, FR, NL, DK
Max. humidity95 %Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af		223 mm
Max. operating temperature60 °CMax. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPOE standardIEEE 802.3af	Lens	Fix
Max. resolution @ frame rate2688 x 1520 @ 30 fpsMicrophoneYesMin. operating temperature-25 °CMinimum illumination (colour)0,0005 lxMotion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPOE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPOE standardIEEE 802.3af	Max. humidity	95 %
Microphone Yes Min. operating temperature -25 °C Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel PoE standard IEEE 802.3af	Max. operating temperature	60 °C
Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel PoE standard IEEE 802.3af	Max. resolution @ frame rate	2688 x 1520 @ 30 fps
Minimum illumination (colour) Motion detection 8 zones Net weight 0,5 kg Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Diject Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel PoE standard	Microphone	Yes
(colour)Motion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Min. operating temperature	-25 °C
Motion detection8 zonesNet weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Minimum illumination	0,0005 lx
Net weight0,5 kgNetwork camera protocolsIPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMPNoise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	(colour)	
Network camera protocols IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel PoE standard IEEE 802.3af	Motion detection	8 zones
Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP Noise reduction 3D DNR Number of streams 3 Number of users 32 OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel PoE standard IEEE 802.3af	Net weight	0,5 kg
Noise reduction3D DNRNumber of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPOE standardIEEE 802.3af	Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, Dyndns, NTP, RTSP, TCP, UDP, DHCP, ABUS
Number of streams3Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPOE standardIEEE 802.3af		Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP
Number of users32OSD languageDE, UK, FR, NL, DK, ITOther functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Noise reduction	3D DNR
OSD language DE, UK, FR, NL, DK, IT Other functions Object Classification Person/Vehicle Pixels (effective) 2688(H) x 1520(V) pixel POE standard IEEE 802.3af	Number of streams	3
Other functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	Number of users	32
Other functionsObject Classification Person/VehiclePixels (effective)2688(H) x 1520(V) pixelPoE standardIEEE 802.3af	OSD language	DE, UK, FR, NL, DK, IT
PoE standard IEEE 802.3af	Other functions	
PoE standard IEEE 802.3af	Pixels (effective)	2688(H) x 1520(V) pixel
Power consumption 600 mA	PoE standard	IEEE 802.3af
TOWER CONSUMPTION OF THE PROPERTY OF THE PROPE	Power consumption	600 mA



IP Mini Tube 4 MPx (2.8 mm, WL)

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Technical data - IP Mini Tube 4 MPx (2.8 mm, WL)

Private zones	4
Resolution	4 MP
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080
	@ 10 fps
Storage medium	microSD card, 256 GB (opt.)
Supported browsers	IE11, Mozilla Firefox, Google Chrome, MS Edge
Technology	IP .
Vertical viewing angle	55 °
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3:
	H.264, H.265
Video network bandwidth	32 kBit/s - 8 MBit/s
White balance	AWB, Manual
White-light LEDs	2
White-light range (up to)	30 m
Width	85 mm