

IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Art.-Nr. IPCS64531

Seite 1 von 4



NUMBER PLATE RECOGNITION: ANALYSE NUMBER PLATES AND CONTROL RELAYS - WITHOUT PC OR NVR

This IP camera delivers video streams in high 4 MPx resolution at 25 fps. The corrosion and weatherproof camera (IP67, NEMA 4X) monitors the outdoor area, thanks to IR LEDs with a range of 50 m by day and night. Access the LAN camera conveniently via app.

Automatically recognise vehicles and number plates

Thanks to intelligent object recognition, the security camera first detects the vehicle, then the number plate.

Automatic access control

Gates and barriers are controlled by comparing the number plates with positive/negative lists: Only authorised vehicles are allowed to pass. All this is done autonomously by the camera, including a push alarm to the app. This also creates time and cost advantages in work processes (e.g. car park, logistics, construction site).

Best overview even at a distance

The motorised zoom lens with 2.8-12 mm focal length (4.2x optical zoom) covers a range of 42°-114°. Adjust focal length and focus easily on the web browser - even by one person alone.

Recording and compatibility

Save recordings on microSD card, ABUS recorder or via video management software.

Quick installation

The free ABUS IP Installer software for network setup.

Notes: Power is supplied via PoE or plug-in power supply unit (accessory).

The effective IR range will vary depending on the installation location.

IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Art.-Nr. IPCS64531

Seite 2 von 4

Technologies

- 4 MPx resolution (2,688 × 1,520 @ 25 fps) for accurate surveillance images and number plate recognition
- 2.8-12 mm motorised zoom lens (4x optical zoom, 42°-114° viewing angle) for flexible choice of installation location, depending on the distance to the surveillance area (e.g. driveway, barrier)
- Number plate recognition on vehicles (up to max. 70 km/h), fully automatic for entrances, in car parks, on construction sites, etc. (ANPR: Automatic Number Plate Recognition)
- Use as a stand-alone camera (without additional devices, licence plate lists on SD card in the camera, app notification in the event of unauthorised entry) or in conjunction with recorder (NVR) or PC (ABUS CMS software)
- Intelligent object recognition: in ANPR mode, first the vehicle is recognised by the shape and then the number plate (protection against manipulation with dummies)
- 140 dB WDR function to effectively compensate for image contrasts, strong backlighting, etc., Ultra Low-Light Performance for top image results in low-light conditions
- IR LEDs for clear images in the dark (up to 50 m range)
- Very robust, vandalism- and weather-proof housing (IK10, IP67) plus corrosion protection (NEMA 4X), optimal for mounting at low heights (splash water, salt, dirt) or use near the coast (salty air)
- microSD card slot for comparison lists and internal data storage (optional: encryption)
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP); 12 V DC & PoE (802.3af)

Technical data - IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Alarm generation	E-Mail, App Push, FTP, CMS
Alarm input (NO/NC)	2
Alarm output	2
Aperture at minimum illumination (color)	F1.2 – F2.5
Application purpose	Number plate recognition
Article program	Professional
Audio	Connectable: Microphone, Loudspeaker
Backlight compensation	WDR, BLC, HLC
Camera type	Tube
Certifications	NEMA 4X
Colour	white
Compatible with ABUS Link Station	Yes
Compatible with Comfion	Yes
Compatible with Secoris	No
Compatible with Secvest	No
Compatible with wAppLoxx	No
Compatible with wAppLoxx Pro	No

IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Art.-Nr. IPCS64531

Seite 3 von 4

Technical data - IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Connections	1 x RJ45, 1 x DC, 2 x alarm in, 2 x alarm out, 1 x Wiegand, 1 x DC out, 1 x audio in, 1 x audio out, 1 x RS485
Construction type of device	Tube
Current consumption	1,400 mA
DC power supply	12 (+/-20 %) V
Day/night switching	ICR/Color/B/W
Depth	350 mm
Digital zoom	Yes
Dimensions	(LxWxH) 350x140x140 mm
Dynamic range (WDR)	140 dB
Electronic shutter	1 - 1/1000000 s
Encryption	HTTPS
Focal length	2,8 – 12,0 mm
Frame rate	25/30
Gross weight	3.1 kg
Height	140 mm
Horizontal viewing angle	42 – 114 °
ICR day/night function	Yes
IR LEDs	Yes
IR range (up to)	50 m
Image integration	Yes
Image optimization	WDR, BLC, HLC, 3D DNR, EIS Electr. Image Stabilizer
Image sensor	1/1.8" Progressive Scan CMOS
Language Manual	DE, UK, FR, NL, DK, IT
Language OSD	DE, UK, FR, NL, DK, IT
Length	350 mm
Lens	Motor-Zoom, Autofokus
Max. Air humidity	95 %
Max. Operating temperature	60 °C
Max. Resolution @ frame rate	2688 x 1520 @ 25/30 fps
Microphone	No
Min. operating temperature	-30 °C
Minimum illumination (IR)	0 lx
Minimum illumination (color)	0.0005 lx
Motion detection	Yes
Net weight	2.5 kg
Network bandwidth Video	32 kBit/s - 8 MBit/s
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, PPPoE, SNMP

IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)

Art.-Nr. IPCS64531

Seite 4 von 4

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Network connection	RJ45
Network connection LAN	RJ45 10M/100M self-adaptive
Noise suppression	3D DNR
Number of IR LEDs	4
Number of streams	5
Number of users	32
Optical zoom	4,2 x
Other functions	Black/White List (max. 10000 number plates)
PSTI conformity given	Yes
PSTI conformity needed	Yes
Pixels (effective)	2688(H) x 1520(V)
PoE Standard	IEEE 802.3at
Power consumption	17 W
Privacy zones	4
Product group	Camera
Protection class IK	10
Protection class IP	67
Radio functions	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h)
Radio networked	No
Relay output	2
Resolution	4 MP
Resolution modes	Stream 1: 2688 x 1520 @ 30 fps, Stream 2: 704 x 576 @ 30 fps, Stream 3: 1920 x 1080 @ 30 fps, Stream 4: max. 1.920 x 1.080 @ 30 fps, Stream 5: max. 704 x 576 @ 30 fps
Storage medium	microSD card, 256 GB (opt.)
Supported browsers	MS Edge, IE11, Mozilla Firefox, Google Chrome
Tamper monitoring	Scene Change Detection, Cover Detection
Vertical angle of view	24 – 59 °
Video Content Analysis (VCA)	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h, single/double line plates)
Video compression	Stream 1: H.264, H.265, H.264+, H.265+, Stream 2/3/4/5: H.264, H.265, MJPEG
Video motion detector included	Yes
Video output	CVBS (2-Pin)
Video system	IP
WEEE group	09
White balance	AWB, Manual
width	140 mm