IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

ABUS
Security Tech Germany

NUMBER PLATE RECOGNITION: ANALYSE NUMBER PLATES AND CONTROL RELAYS - WITHOUT PC OR NVR
The IP Tube, part of the B.A.S Special line, delivers video streams in 2 MPx resolution at up to 30 frames/sec. Thanks to its integrated IR LEDs, the weatherproof housing, which meets protection class IP67, enables outdoor use whether day or night. The camera can be conveniently accessed via the app.

Optimised for number plate recognition
The camera has an integrated analysis algorithm, and is therefore suitable for monitoring business premises and car parks, and carrying out access control. Number plates of moving cars are recognised automatically at speeds of up to 70 km/h; information is stored with photos or video clips.

Automatic access control
Gates and barriers can be controlled by comparing the number plates with positive/negative lists, so that only authorised vehicles can pass.

Optimal overview
The motorised zoom lens (focal length of 2.8-12 mm) monitors an area of 39-104°. Users can conveniently and precisely set the focal length and focus in the browser.

Recording and compatibility
Images are recorded on an ABUS NVR, a third-party VMS or locally on a microSD card.

Convenient installation
The free "ABUS IP Installer" is available for convenient network installation. The software locates the camera directly in the network and assists with setup.

Note: No power supply unit is included with the camera. We recommend powering the camera via PoE or our power supply unit.
The effective IR range will depend on the installation location. If there are surfaces that absorb light or no objects that reflect IR light in the field of view, the IR range will be reduced and/or the video image will be too dark. Reflective objects in the immediate vicinity of the camera (e.g. roof gutter or wall) may also cause IR light to be reflected, which can disrupt the image

Technologies

- 2 MPx (Full HD 1080p) resolution: 1920 x 1080 @ 30 fps
- 2.8 - 12 mm motorised zoom lens
- Optimised for number plate recognition up to 70 km / h
- 120 dB WDR function to compensate for image contrasts

IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

- Vandalism and weatherproof IP67 rugged housing
- IR LEDs (up to 50-m range)
- Supports H.264, H.265, MJPEG
- MicroSD card slot for internal data storage
- 12 VDC & PoE (802.3at)

Technical data - IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

Alarm generation	E-Mail, NAS, FTP
Alarm input (NO/NC)	2
Alarm output	1
Aperture at minimum illumination (color)	F1.2
Application purpose	Licence plate recognition
Article program	Professional
Backlight compensation	WDR, BLC, HLC
Battery - quantity	1
Camera type	Tube
Colour	white
Compatible with	NVR100xx
Compatible with ABUS Link Station	No
Compatible with Secoris	No
Compatible with Secvest	No
Compatible with wAppLoxx	No
Compatible with wAppLoxx Pro	No
Connections	1 x RJ45, 1 x DC, 2 x alarm input, 1 x alarm output
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 - 1/100000 s
Encryption	HTTPS
Focal length	2,8 – 12,0 mm
Frame rate	25/30

IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

Technical data - IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

Height	140 mm
Horizontal viewing angle	39 – 104 °
ICR day/night function	Yes
IR LEDs	Yes
IR range (up to)	50 m
Image integration	Yes
Image optimization	WDR, BLC, HLC, 3D DNR, Distortion Correction, EIS Electr. Image Stabilizer
Image sensor	1/1.8" Progressive Scan CMOS
Language Manual	DE, UK, FR, NL, DK
Language OSD	DE, UK, FR, NL, DK
Length	350 mm
Lens	Motor-Zoom, Autofocus
Max. Air 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 (color)	0.002 lx
Motion detection	22x18 cells / 8 zones
Net weight	2.5 kg
Network bandwidth Video	32 kBit/s - 16 MBit/s
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, SNMP, IGMP, 802.1X, QoS, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP
Network connection	RJ45
Network connection LAN	RJ45 10M/100M self-adaptive
Noise suppression	3D DNR
Number of IR LEDs	4
Number of streams	6
Number of users	32
Optical zoom	4,2 x
Other functions	Black/White List (max. 10000 number plates)
PSTI conformity needed	No
Pixels (effective)	1920(H) x 1080(V)
PoE Standard	IEEE 802.3at
Power consumption	17 W
Privacy zones	4
Product group	Camera
Protection class IK	10

IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

Technical data - IP Tube 2 MPx (1080p, 2.8 - 12 mm, ANPR)

Protection class IP	67
Radio functions	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h)
Radio networked	No
Relay output	1
Resolution	2 MP
Resolution modes	Stream 1: 1.920 x 1.080 @ 30 fps, Stream 2: 704 x 576 @ 30 fps, Stream 3: 1.920 x 1.080 @ 30 fps, Stream 4: max. 1.920 x 1.080 @ 30 fps, Stream 5: max. 704 x 576 @ 30 fps, Stream 6: max. 1.920 x 1.080 @ 30 fps
Storage medium	microSD card, 256 GB (opt.)
Supported browsers	IE11, Chrome, Firefox, Edge
Tamper monitoring	Scene Change Detection, Cover Detection
Vertical angle of view	22 — 54 °
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 2/3/4/5/6: H.264, H.265, MJPEG
Video motion detector included	Yes
Video output	FBAS (2-Pin)
Video system	IP
WEEE group	09
White balance	AWB, Manual
width	140 mm