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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.



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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
- · 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 input (NO/NC) | 2 |
|---------------------------|---|
| Alarm output | 1 |
| Alarming | E-Mail, NAS, FTP |
| Aperture at minimum | F1.2 |
| illumination (colour) | |
| Backlight compensation | WDR, BLC, HLC |
| Camera type | Tube |
| Compatible with | NVR100xx |
| Compatible with ABUS Link | No |
| Station | |
| Compatible with Secoris | No |
| Compatible with Secvest | No |
| Compatible with wAppLoxx | No |
| Compatible with wAppLoxx | No |
| Pro | |
| Connections | 1 x RJ45, 1 x DC, 2 x alarm input, 1 x alarm output |
| DC voltage supply | 12 (+/-20 %) V |
| Day/night switching | ICR/Color/B/W |
| Depth | 140 mm |
| Design | Tube |



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

| 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 |
| Functions | ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h) |
| Height | 140 mm |
| Horizontal viewing angle | 39 – 104 ° |
| ICR day/night function | Yes |
| IP protection class | 67 |
| IR LEDs | Yes |
| IR range (up to) | 50 m |
| Image enhancement | WDR, BLC, HLC, 3D DNR, Distortion Correction, EIS Electr. Image Stabilizer |
| Image integration | Yes |
| Image sensor | 1/1.8" Progressive Scan CMOS |
| Intended use | Licence plate recognition |
| LAN network access | RJ45 10M/100M self-adaptive |
| Language of instructions | DE, UK, FR, NL, DK |
| Length | 350 mm |
| Lens | Motor-Zoom, Autofocus |
| 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 | 0,002 lx |
| (colour) | |
| Motion detection | 22x18 cells / 8 zones |
| Net weight | 1,5 kg |
| Network access | RJ45 |
| Network camera protocols | IPv4/v6, HTTP, HTTPS, FTP, SMTP, SNMP, IGMP, 802.1X, QoS, UPnP, DNS, DynDNS, NTP, |
| | RTSP, TCP, UDP, DHCP |
| Noise reduction | 3D DNR |
| Number of IR LEDs | 4 |
| Number of streams | 6 |
| Number of users | 32 |
| | |



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

| OSD language | DE, UK, FR, NL, DK |
|------------------------------|---|
| Optical zoom | 4,2 x |
| Other functions | Black/White List (max. 10000 number plates) |
| Pixels (effective) | 1920(H) x 1080(V) pixel |
| PoE standard | IEEE 802.3at |
| Power consumption | 1.400 mA |
| Private zones | 4 |
| Protection class IK | 10 |
| 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 |
| Sabotage monitoring | Scene Change Detection, Cover Detection |
| Storage medium | microSD card, 256 GB (opt.) |
| Supported browsers | IE11, Chrome, Firefox, Edge |
| Technology | IP IP |
| Vertical viewing angle | 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 network bandwidth | 32 kBit/s - 16 MBit/s |
| Video output | FBAS (2-Pin) |
| Video system | IP IP |
| White balance | AWB, Manual |
| Width | 140 mm |
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