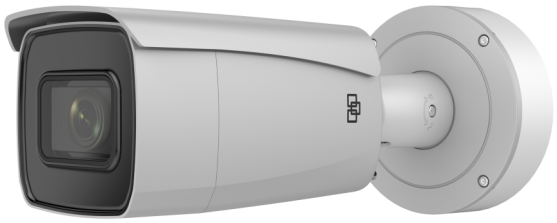
TVLP-S01-0401-BUL-G

TruVision ANPR camera, 4MP, 2.8 to 12 mm, 50 m IR, Wiegand, IP67, IK10, PoE+ (802.3-at) / 12 VDC

Overview

The new range of ANPR cameras complete our TruVision line with solutions that help you facilitate management of vehicles. The S series ANPR cameras allow you to monitor or manage vehicle access on a site. The cameras can either monitor and capture vehicles entering your premises or manage parking access for vehicles based on their license plate.



Standalone operation

In standalone operation where the camera is used to grant access to vehicles, the license plates stored in the camera database can be defined as allowed or blocked vehicles. Actions like activating a camera output to open a gate for allowed vehicles can be configured in the camera. Blocked or non-listed vehicles can also trigger additional actions or events if needed.

Without matching vehicle license plates against a database, the camera is also able store any captured license plate on local storage, NAS or FTP server.

Integrated solution

When the camera is connected to an access control system, the access control system can grant or deny access to the vehicle based on the Wiegand data that is sent by the camera whenever a license plate is read. Access Control system parameters like access levels, time schedules or other logic can be used to grant access to specific vehicles according pre-defined time schedules. The video streams from the camera can also be recorded on any TruVision network recorder or any VMS supporting recent TruVision IP cameras.

Details

- Maximum resolution: 2680 × 1520
- ANPR (Automatic Number Plate Recognition)
- Block and allow list license plate database up to 10,000 records
- Wiegand output for integration with Access Control systems
- Motorized zoom lens 2.8 to 12 mm with auto-focus
- Up to 50 m IR illumination
- 5 independent configurable video streams
- Edge recording up to 256 GB with optional SD card

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Technical specifications

General

Technology	IP
Video standard	NTSC, PAL
Image settings	De-Fog, Electronic Image Stabilization
Privacy masking	8 zones
Software compatibility	TruVision Navigator, TVRmobile, Web Browser

Camera

Sensor size	1/1.8"
Max. resolution	4 MP
Sensor scan	Progressive
Sensor type	CMOS
Shutter time	1 to 1/100,000 s

Lighting performance

WDR type	True WDR
WDR	140 dB
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.0005 Lux @ (F1.2, AGC ON)
B/W sensitivity	0.0001 Lux @ (F1.2, AGC ON)
B/W trigger	Auto/Schedule/Triggered by alarm in
Infrared (IR)	Yes
IR range	Up to 50 m
IR wavelength	850 nm

Encoding

Video streams	5
Main stream compression	H.264, H.265, H.265+
Sub stream compression	H.264, H.265, MJPEG
Third stream compression	H.264, H.265
Video bit rate	32 to 8 Mbps
Main stream resolutions	1280 x 720 (XVGA), 1920 x 1080 (1080p), 2560 x 1440, 2680 × 1520
Sub stream resolutions	640 x 480 (VGA), 704 x 576 (4CIF)
Third stream resolutions	1280 x 720 (XVGA), 1280 x 960 (720p), 1920 x 1080 (1080p), 640 x 480 (VGA), 704 x 576 (4CIF)
Max. resolution @ fps	2680 × 1520 @ 25/30 fps
4th and 5th stream compression	H.265, H.264, MJPEG
4th stream resolutions	1920 x 1080 (1080p), 1280 x 720 (XVGA), 704 x 576 (4CIF), 640 x 480 (VGA)
5th stream resolutions	704 x 576 (4CIF), 640 x 480 (VGA)

Lens

Lens type	Varifocal motorized
Focal length	2.8 to 12 mm, Horizontal FoV 114.5 to 41.8°, Vertical FoV 59.3 to 23.6°, Diagonal FoV 141.1 to 48°
f-stop	F1.2 to 2.5
Auto iris	Yes
P-iris	Yes
Auto focus	Yes
Motorized zoom	Yes

Network

Network interface	RJ-45 10/100 Mbps self-adaptive Ethernet interface
Integration	CGI, ISAPI
Supported network protocols	802.1x, Bonjour, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP
Security	Password protection, HTTPS encryption, 802.1x authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout setting

Audio

Audio compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3, PCM
Audio in	1 line in
Audio out	1 line out
Audio bit rate	64Kbps (G.711), 16Kbps (G.722.1), 16Kbps (G.726), 32-192Kbps (MP2L2), 32Kbps (PCM), 8-320Kbps (MP3)

Alarm I/O

Alarm inputs	2
Alarm outputs	2 outputs (24 VAC/VDC, 1 A max.)
Alarm I/O connection	Terminal blocks

Storage

Local storage support	Yes
Local storage type	Built-in Micro SD/SDHC/SDXC card slot
Max. SD card capacity	256 GB

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Video intelligence

Alarm trigger	HDD error, HDD full, Invalid login, IP address conflict, Motion detection, Network disconnected, Video tampering
ROI	Up to 4 fixed regions
Smart event	Advanced motion detection, ANPR capture, Audio exception detection, Defocus, Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Scene change detection
Intelligence options	Person/vehicle classification on VCA events (when VCA resource mode Smart Event is selected) Vibration detection Video quality diagnosis e-PTZ on 4th stream supporting digital zoom based preset tour and auto-tracking

Electrical

Operating voltage	12 VDC ± 20%, three-core terminal block, reverse polarity protection / PoE (802.3at, class 4)
Power consumption	12 VDC, 1.19 A, max. 14.28 W; PoE (802.3at, 42.5 V to 57 V), 0.396 to 0.295 A, max. 16.8 W
Power output	12 VDC, max. 100 mA

Physical

Physical dimensions	140 x 351 mm Φ5.5 x 13.8 in.
Net weight	1920 g 4.2 lb.
Shipping weight	3060 g 6.7 lb.
Colour	Grey
Material	Aluminium
Form Factor	Bullet

Environmental

Impact rating	IK10
Environment	Outdoor
Operating temperature	-40 to +66°C -40 to +140°F
Relative humidity	<95% noncondensing
IP rating	IP67

Regulatory

Compliancy	CE, FCC, REACH, RoHS, UL, WEEE

ANPR features

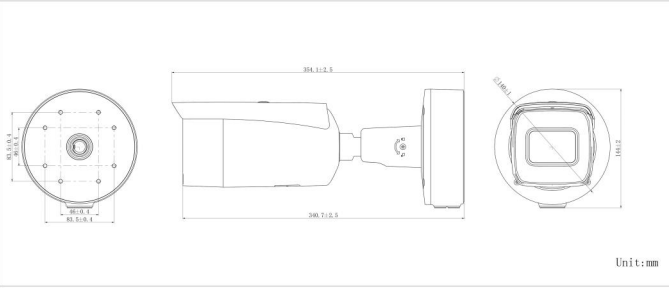
Wiegand output protocols	26 bit, 34 bit, SHA-1 26-bit plate conversion, 72 bit plate conversion
Block List and Allow List	Up to 10,000 records
Vehicle detection mode	Single lane support. License plate recognition of motorcycles (only in Entrance/Exit mode) Support vehicle attributes detection including vehicle type, color, brand, etc. (City Street mode is recommended.)
Mixed-traffic detection mode	Support up to 2 lanes. Automatic vehicle flow detection
Other	No-plate vehicle detection
Supported Regions	Europe, Middle East, Africa, LATAM, Russian speaking region, Asia-Pacific. See FW release note document for more details.

Accuracy

License Plate Recognition	Accuracy: Capture Rate 98%, Recognition Rate

Compatible products

Category	Reference	Description
Brackets & Mounts	TVB-PM	TruVision pole mount adaptor for use with IP Bullet cameras with large back box



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