

TVB-1101

TruVision 1.3 MPX, PAL, Outdoor IR Mini Bullet, True D/N, H.264, PSIA/ONVIF/CGI, 25m IR, 6mm @ F1.6, PoE / 12VDC

Overview

The TVB-1101 is an HD IP Outdoor IR Bullet camera, designed to perform in a wide range of lighting conditions.

Its built in IR LEDs provide illumination up to 25 meters to ensure images – even in low light environments. The camera's Digital Wide Dynamic Range feature ensures that images are obtained, even in backlight scenes.

The camera is compliant with the ONVIF and PSIA open standards.

Form Factor

The size of this mini bullet camera makes it easy to install, for example, at entry or exit doors. The IP66 rated housing provides a weatherproof solution.

IP technology

TruVision cameras utilize H.264 compression with dual-streaming capability, making it easy to manage the camera's bandwidth usage. These cameras have been designed to adhere to PSIA and ONVIF open communication standards, and also support a CGI command set for simple integration into any IP system. Video streams can be set up for high and low bandwidth and images can be streamed for live viewing or sent to a designated recording location.



Details

- IR bullet camera
- Real time HD 960p resolution
- Maximum resolution HD 960p
- H.264 with dual streaming functionality
- 1/3" CMOS Progressive Scan
- Motorized IR cut filter
- Digital Wide Dynamic Range
- 0 Lux (IR on)
- Up to 25m IR illumination
- Fixed 6mm lens
- Designed to ONVIF and PSIA open standards

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Technical specifications

General

Technology	IP
Video standard	PAL
Privacy masking	4
Software compatibility	OnGuard, Prism, TruVision Navigator, TVRmobile

Camera

Sensor size	1/3"
Max. resolution	1.3 MP
Sensor scan	Progressive
Sensor type	CMOS
Digital S/N ratio	50 dB
Shutter time	1/25 to 1/100,000 s
Sensor Size:	1/3'
SD / MPX:	1.3MPX
Sensor scan:	Progressive Scan
Sensor type:	CMOS
IP Compression / Standard:	Main stream: H.264 Sub stream: H.264/MJPEG
Available Resolutions:	Main stream: 1280x960,1280x720,704x576,640x480 Sub stream: 704x576,352x288,320x240
Maximum Resolution (@ FPS):	1280 x 960 @25 fps
Maximum Real Time Resolution:	1280 x 960
HD 720p:	Yes
Full HD 1080p:	No
Digital S/N ratio:	50dB
Electronic shutter:	1/25s to 1/100.000s
Certification:	UL, CE, FCC, C-tick, REACH, RoHS, HALT, WEEE

Lighting performance

WDR type	Digital WDR
WDR	72 dB
Digital noise reduction	3D DNR
Day / night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.01 lux @ F1.2
B/W sensitivity	0 lux with IR
B/W trigger	2.70 lux
Infrared (IR)	Yes
IR sensitivity	0 lux with IR
IR range	Up to 25m
IR wavelength	850
IR trigger	2.70 lux
Wide Dynamic Range:	DWDR
WDR in dB:	72dB
Digital noise reduction:	3D DNR
Day/Night:	True Day/Night
Motorized IR Cut Filter:	Yes
Color sensitivity:	0.01 lux @ F1.2
B/W sensitivity:	0 Lux with IR
IR sensitivity:	0 Lux with IR
IR Range:	Up to 25m
IR Wavelength:	850nm
B/W trigger:	2.70lux
IR trigger:	2.70lux

Encoding

Video streams	2
Main stream compression	H.264
Sub stream compression	H.264, MJPEG
Max. resolution @ fps	1280 x 960 @ 25 fps

Lens

Lens type	Fixed
Focal length	6 mm
f-stop	2
Auto iris	No
Auto focus	No
Motorized zoom	No

Pan/ tilt / zoom

Optical zoom	No
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Network

Integration	CGI, ONVIF, PSIA
Supported network protocols	802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP
ONVIF:	2.2
PSIA:	1.1
CGI:	Yes
Network Protocols:	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP, 802.1x, QoS, IPv4/IPv6

Storage

Local storage support	No
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Video intelligence

Alarm trigger	Motion detection, Privacy Masking, Video tampering
Smart event	Intrusion detection, Line crossing detection

Electrical

Power supply type	VDC
Power supply value	12VDC \pm 10%
Power consumption	5 W max.

Physical

Net weight	373 g
Form Factor	Bullet

Environmental

Vandal proof	No
Environment	Outdoor
Operating temperature	-30 to +60°C -22 to +140°F
Cold start temperature	-20°C (-14°F)

Regulatory

Compliance	C-tick, CE, FCC, HALT, REACH, RoHS, UL, WEEE
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Housing

Camera type:	Bullet
IP rating:	IP 66
Outdoor:	Yes
Rugged:	No

Lens

Control type:	Fixed
Optical zoom:	No
Focal length:	6mm
F-stop:	2
Autoiris:	No
Varifocal:	No
Zoom lens:	No
Autofocus:	No

Power consumption

Voltage Input:	12VDC \pm 10%
Current:	Max. 0.42A
Power Consumption:	Max. 5W
PoE:	PoE(802.3af)

Local Storage

Media:	No
Capacity:	No

Camera Analytics

Motion Detection:	Yes
Privacy Masking:	4

Mechanical / Environmental

Dimensions:	Ø 60 x 153mm (2,4 x 6 in)
Weight:	373g (8.22lb)
Cold start Temperature	-20°C (-14°F)
Operating Temperature:	-30°C to 60°C (-22°F to 140°F)



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