Product data sheet

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TVB-8101

TruVision 1080p Wifi Bullet IR camera

Overview

The Truvision IP wifi bullet IR camera by Interlogix brings high-definition 1080p images to the security segment at a low cost.

The wifi spec is based on the wifi standards of IEE 802.11 b/g/n and operates in the 2.4 GHz range. Transmission rates of up to 150Mbps are supported, and wireless security is achieved via 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, and WPS wireless encryption standards.

The wifi bullet IR camera also adheres to Onvif Profile S open communications standards as well as support CGI command set for simple integration into standard IP systems.

Details

- 1080p resolution
- H.264 compression technology with dual-streaming capability accommodates multiple settings
- DWDR and/or real-time video streaming up to 1080p resolution to capture every detail
- True day/night functionality and infrared illuminator for capturing images in various lighting scenarios
- Up to 66 ft. (20m) IR range – with on/off settings
- Recorded clips stored on board using a micro SD/SDXC card (up to 128GB)
- Supports IEEE 802.11b/g/n Wi-Fi standards
- Frequency range 2.4GHz
- Encryption security support for 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK and WPS wireless encryption standards

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Technical specifications

Camera

Sensor size	1/2.8"
Max. resolution	1080p
Total Pixels (H x V)	1920 x 1080
Digital S/N ratio	50 dB (AGC off)
Shutter time	60 Hz: 1/3s ~ 1/100,000s, 50 Hz: 1/3s ~ 1/100,000

Lighting performance

WDR type	Digital WDR
WDR	85 dB
Digital noise reduction	3D-NR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.01 lux @ f1.2, AGC on
B/W sensitivity	0 Lux, IR on
Infrared (IR)	Yes
IR range	Non-visible IR LED within 20 m
IR wavelength	850 nm

Encoding

Main stream compression	H.264, MJPEG
Sub stream compression	H.264, MJPEG
Video bit rate	32 Kbps to 8 Mbps
Max. resolution @ fps	1920 x 1080 @ 30fps (60Hz), 1920 x 1080 @ 25 fps (50Hz)

Lens

Lens type	Fixed
Focal length	4.0 mm @ f2.0
Auto iris	No
Auto focus	No
Motorized zoom	No

Network

Integration	CGI, ONVIF, PSIA
Supported network protocols	DHCP, DNS, FTP, HTTP, HTTPS, IPv6, NTP, QoS, RTP, RTSP, SMTP, TCP/IP, UPnP

Storage

Local storage support	Yes
Local storage type	Micro SD/SDXC
Max. storage capacity	Up to 128 GB

Video intelligence

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

General

Technology	IP, WiFi
Video standard	NTSC, PAL
OSD	Text Overlay
Display modes	Hallway View, Mirror, ROI (Region Of Interest)

Electrical

Operating voltage	12VDC, PoE (IEEE 8.2-3-af) Power supply not included
Power supply type	12 VDC
Power consumption	5.8W
Current consumption	490mA (Max.)

Physical

Physical dimensions	2.8 x 6.1 x 2.4 in. 70 x 157 x 62mm
Net weight	1.1 lbs 500g
Colour	Grey
Form Factor	Bullet
Mount	Pendant mount, Wall mount

Environmental

Vandal proof	No
Operating temperature	-22°~140°F -30°~60°C
Storage temperature	-4°~158°F -20°~70°C
Environment	Indoor / Outdoor
IP rating	IP66

Regulatory

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

Wireless

Wifi standards	IEEE802.11b, 802.11g, 802.11n
Frequency range	2.4 GHz ~ 2.4835 GHz (Ch. 1 ~ 11)
Channel bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK; 802.11g/n: OFDM
Transmit output power	"11b: 17±1.5dBm @ 11Mbps; 11g: 15±1.5dBm 54Mbps; 11n: 14±1.5dBm"
Transfer rates	11b: -90dBm @ 11Mbps (Typical); 11g: -75dBm @ 54Mpbs (Typical); 11n: -74dBm (Typical)
Wifi range	~ 164 ft. (50m) in direct line-of-sight applications
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS

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