

TVC-1202

TruVision IP Box Camera, 3.0MPX, PAL, WDR, true D/N, Auto Back Focus,

Overview

The TruVision IP Megapixel Open Standards box cameras bring state-of-the-art, high-definition pictures to the mass video surveillance market. With camera resolutions of 1.3 or 3 megapixel, these IP cameras represent a flexible video surveillance device to meet any need. Equipped with advanced technology and signal processing capability, they effectively capture video under challenging conditions. These cameras provide an ideal surveillance for environments such as retail, banking, airports or gaming where detailed image capture is critical for effectively monitoring people and transactions.

Compression & streaming

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

Additional Features

TruVision IP Megapixel cameras simplify remote, live monitoring/playback of edge-recorded video and audio. Recording on the micro SD/SDXC memory card provides a level of redundancy in case of unforeseen network disruptions. These cameras also feature bi-directional audio and alarm inputs and outputs. Privacy masking conceals sensitive scenes and safeguards confidential areas from being observed during live view and recorded on the video file.

Included, is a suite of intelligence features that provides enhanced alarm capabilities that go above and beyond standard motion detection. Examples include: Cross Line Detection, Intrusion Detection, De-focus Detection and Face Detection and more. Each of these features are user-configurable to best suit the installation environment. Additional advanced non-alarm enhancements include the Region of Interest function that ensures specific portions of an image are given priority in terms of video imaging during instances of high network traffic or network degradation.

Installation

Special functions are available to assist in providing the best use of your TruVision camera. Included are Hallway View mode to provide a portrait view of a hallway or corridor, De-fog mode to help resolve images through fog or rain and Electronic Image Stabilization for installations subject to vibration.



Standard Features


- Maximum Resolution: 2048 x 1536 @ 20fps(50Hz)
- Maximum Real Time Resolution: 1920 x 1080 @ 25fps (50Hz)
- Designed to PSIA and ONVIF S open standards
- H.264 compression with triple-streaming functionality
- Edge recording up to 64GB SDHC card
- 1/3" CMOS image sensor
- Motorized IR Cut Filter
- 0.1 Lux (Color)
- Up to 120dB Wide Dynamic Range
- ROI (Region of Interest)
- Intelligence (Face detection, audio exception detection, cross line, intrusion detection, de-focus, scene change detection)
- One-touch Auto Back Focus

TVC-1202

TruVision IP Box Camera, 3.0MPX, PAL, WDR, true D/N, Auto Back Focus,

Specifications

Camera	
Sensor size	1/3"
Max. resolution	3 MPX
Sensor scan	Progressive
Sensor type	CMOS
Total Pixels (H x V)	2048 x 1536
Digital S/N ratio	50 dB (AGC OFF)
Shutter time	1 to 1/100,000 s
Sensor:	3 MPx 1/3" Progressive Scan CMOS
Day/Night:	Motorized IR Cut Filter
IP Compression/Standard:	H.264 (Baseline profile / Main profile/ High profile)/MPEG4/MJPEG
Maximum Resolution (@ FPS):	2048 x 1536 @ 20fps(50Hz)
Maximum Real Time Resolution (@ FPS):	1920 x 1080 @ 25fps (50Hz)
Multiple Streaming:	Triple Streams
Video Bit Rate:	128Kbps to 16 Mbps, adjustable
Sensitivity:	0.1 lux @ f1.2, AGC ON (Color)
S/N Ratio:	50 dB (AGC OFF)
Auto Exposure (shutter):	50 Hz: 1s - 1/100,000s
Composite Output (BNC):	PAL, 1.0 Vp-p @ 75 ohm
Lens :	C/CS (w/auto iris)
Auto Focus	One-touch Auto Back Focus
Lighting performance	
WDR type	True WDR
WDR	120 dB
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.1 lux @ F1.2, AGC ON
Infrared (IR)	No
Encoding	
Video streams	3
Main stream compression	H.264
Sub stream compression	H.264, MJPEG
Video bit rate	128kbps to 16Mbps
Max. resolution @ fps	2048 x 1536 @ 20 fps
Lens	
Lens type	Auto iris DC
Lens mount type	C/CS
Auto iris	Yes
Auto focus	Yes
Motorized zoom	No
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
Network Protocols:	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, ezDDNS, DynDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, UPnP, NAT, MULTICAST, 802.1x, QoS, IPv4, IPv6
PoE IEEE:	802.3af
Audio	
Audio compression	G.711, G.722.1, G.726, MP2L2
Audio in	1 ch. 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kOhm)
Audio out	1 ch. 3.5 mm audio interface (Line level, 600 Ohm)
Audio bit rate	64kbps(G.711) / 16kbps(G.722.1) / 16kbps (G.726) / 32 to 128kbps(MP2L2)
Alarm I/O	
Alarm inputs	1
Alarm outputs	1

Alarm I/O connection	Terminal Type
Storage	
Local storage support	No
Local storage type	Built-in Micro SD/SDHC/SDXC card slot
Max. storage capacity	64GB
Video intelligence	
Alarm trigger	Motion detection, Privacy Masking, Video tampering
Video analytics	Audio exception detection, Line crossing detection, De-focus, Face detection, Intrusion detection, Scene change
General	
Technology	IP
Video standard	PAL
OSD	Picture Overlay, Text Overlay
Display modes	De-Fog, Electronic Image Stabilization, Hallway View, Mirror, ROI (Region Of Interest)
Video output	BNC Composite PAL 1.0 Vp-p @ 75 Ohm
Software compatibility	OnGuard, Prism, TruVision Navigator, TVRmobile
Electrical	
Power supply value	12 VDC/24VAC
Power consumption	9.5 W max. (with IR cut filter on)
Voltage Input:	12 VDC/24VAC, PoE (IEEE 802.3af)
Power Consumption:	Max. 9.5W with IR cut filter on
I/O Connection:	Terminal type, 1/1
Physical	
Physical dimensions	70 x 58 x 145 mm
Net weight	830 g
Colour	Black
Form Factor	Box
Environmental	
Vandal proof	No
Operating temperature	-30 to +60°C -22 to +140°F
Storage temperature	-20 to +70°C -4 to +158°F
Environment	Indoor
Regulatory	
Part No.	Description
TVC-1202	TruVision IP Box Camera, 3.0MPX, PAL, WDR, true D/N, Auto Back Focus, Micro SD/SDHC slot, Intelligence, POE (802.3af) 12VDC/24VAC Up to 64GB
AVG-1201	TruVision IP Box Camera, 1.3MPX, PAL, WDR, true D/N, Auto Back Focus, Audio, Alarm, SD/SHDC slot, Intelligence, POE (802.3af) 12VDC/24VAC Up to 64GB
	
Advanced:	Motion Detection, De-focus, Scene Change Detection
Display	
Display mode:	ROI (Region of Interest), Hallway View, Mirror, De-fog, Electronic Image Stabilization
OSD:	Text overlay and picture overlay
Mechanical/ Environmental	
Dimensions:	69.8 x 58 x 145 mm (2.68 x 2.56 x 5.70 in.)
Weight:	830g (1.83lbs)
Storage Temperature:	-20° to 70°C (-4° to 158°F)
Operating Temperature:	-30° to 60°C (-22° to 140°F)
Environmental Rating:	Indoor
Regulation	
Compliance:	FCC, CE, UL, C-Tick, REACH, RoHS, WEEE