truVision

TruVision® 1.3MPx IP Wi-Fi® Wedge IR Camera

Compatible with UltraSecure Series products

Compatible only with **UltraSecure** products by Interlogix

PROGRESSIVE SCAN | DUAL STREAMING | TRUE DAY/NIGHT | DWDR | AUDIO | WiFi | UltraSync App

Micro SD/SDXC | 12VDC | PoE | IP66 | IK8 | 3 year WARRANTY

OVERVIEW

TruVision IP Megapixel Wi-Fi Wedge IR Camera from Interlogix brings state-of-the-art, high-definition images to the residential security segment. Designed specifically for use with the UltraSecure Series of smart security products by Interlogix, this camera offers live video and clip recording that can be triggered by an intrusion event and managed through the UltraSync™ mobile application.

This Wi-Fi camera is based on the Wi-Fi standards of IEEE802.11b/g/n and operates in the 2.4Ghz range. Transmission rates of up to 150Mbps are supported and secure wireless communication is achieved via 64/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK, and WPS wireless encryption standards.

Setup is simplified using an integrated browser. Onboard storage via micro SD card adds recorded clips without the need of NVR's or cloud storage.

The TruVision IP Megapixel Wi-Fi Wedge Camera is designed for harsh indoor/outdoor environments in marine or land applications or for locations where running cable is not feasible.

This Wi-Fi camera has an IK8 impact resistant rating, and is IP66 rated for dust and moisture. The enhanced environmental design includes a housing cover made of plastic, stainless steel screws that meet SUS316 standards for improved corrosion resistance and a special protective coating material for the camera base.

STANDARD FEATURES

Video
- 1.3MPx resolution
- H.264 compression technology with dual-streaming capability accommodates multiple settings
- Compatible only with UltraSecure Series products by Interlogix

Video Enhancement
- Hallway view, ROI (Region of Interest)
- DWDR and/or real-time video streaming up to 720p resolution to capture every detail
- True day/night functionality and infrared illuminators for capturing images in various lighting scenarios
- 33 ft. (10m) IR range - with on/off settings

Video Alarms (utilizing hardwired outputs)
- Motion detection, tamper proof and privacy masking
- Advanced cross line and Intrusion detection

Recorded Clips
- Recorded Clips stored on board using a micro SD/SDXC card (up to 64GB). 8GB card included

Wireless (Wi-Fi)
- Supports IEEE802.11b/g/n Wi-Fi standards
- Frequency range 2.4 GHz
- Encryption security support for 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS standards

Environment and Installation
- Corrosive and impact-resistant housing
- IP66 and IK8 ratings
- FCC, CE and UL
- Fast and simple integration into UltraSync app using camera scan feature

Warranty
- 3-Year warranty

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Dimensional Diagrams

6.01 in.
(52.9mm)

3.90 in.
(99.3mm)

3.28 in.
(83.5mm)

3.82 in.
(97mm)

Mounting Plate (included)

3.29 in.
(83.5mm)

1.68 in.
(42.7mm)

3.98 in.
(101 mm)
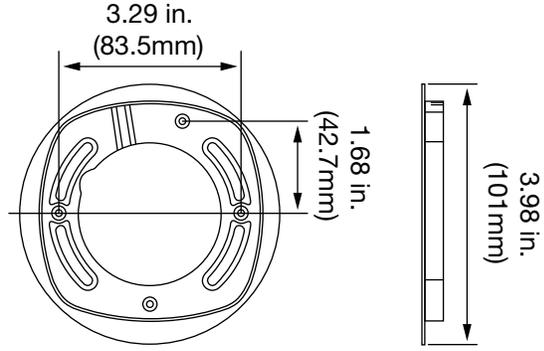
Accessories

TVD-CB2 2" Cup Base

3.3 in.
(84mm)

2.24 in.
(57mm)

3.3 in.
(84mm)

G1

4.88 in.
(Ø124mm)

3.29 in.
(83.5mm)

1.68 in.
(42.7mm)

DR-RWM-AD Adapter

Ø129
Ø101.4
Ø96

3.28 in. (83.5mm)

1.64 in. (41.75mm)

1.81 in. (46mm)

2.84 in. (72.3mm)

3.28 in. (83.5mm)

TVD-LWB-1 Dome Bracket

1.57 in. (40mm)

2.75 in. (70mm)

2.75 in. (70mm)

3.54 in. (90mm)

R15

R35

7-M4

n 111

Øn 100.4

Ø83.5mm

6.12 in. (155.5mm)

0.19 in.
(5mm)

0.62 in. (16mm)

2.84 in. (Ø72.3mm)
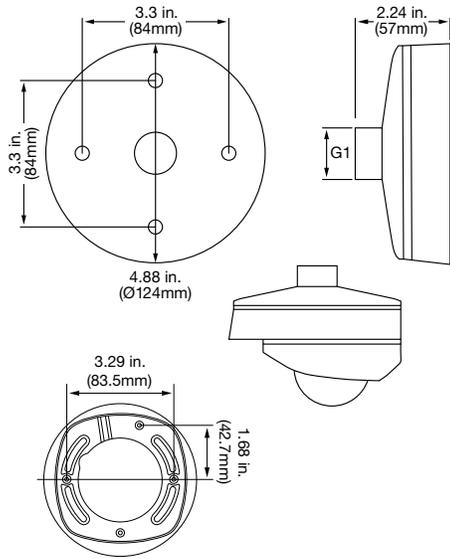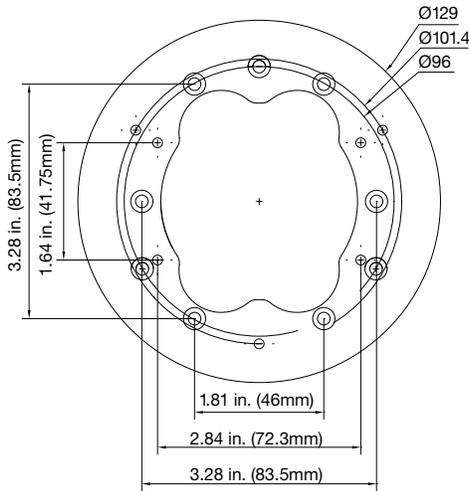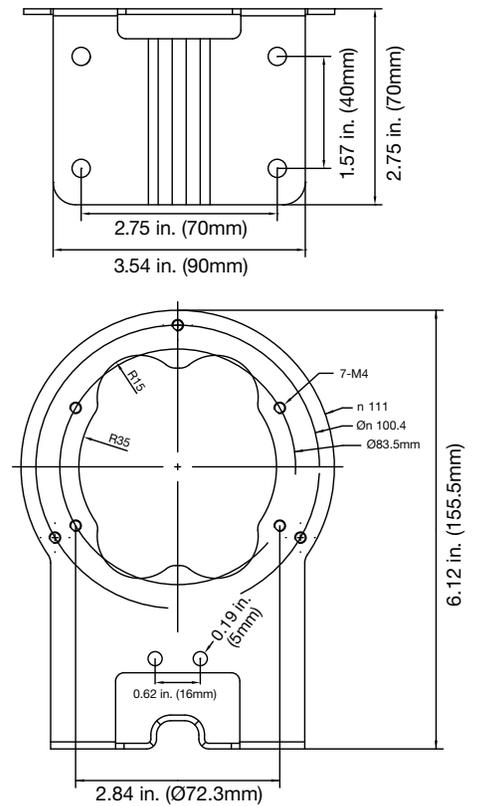
TVD-PPB Pendant Ceiling Bracket

3.34 in.
(85mm)

1.45 in.
(37mm)

3.34 in.
(85mm)

G1

5.90 in.
(Ø150mm)

.78 in.
(20mm)

.41 in.
(10.5mm)

G1

G1

1.49 in.
(38mm)

9.84 in.
(250mm)
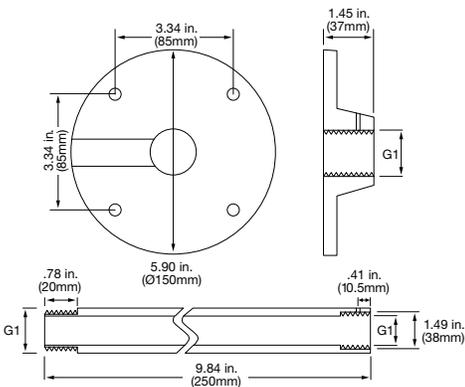
TVD-SNB Swan Neck Bracket

3.74 in.
(95mm)

7.08 in.
(180mm)

G1 1/8

9.96 in.
(253mm)
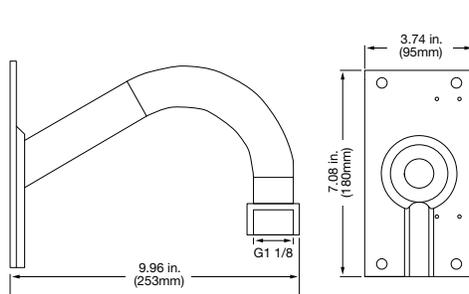
TVD-M-PMA Pole Mount Adaptor

4.60 in.
(Ø117mm)

5.62 in.
(143mm)

7.63 in.
(194mm)
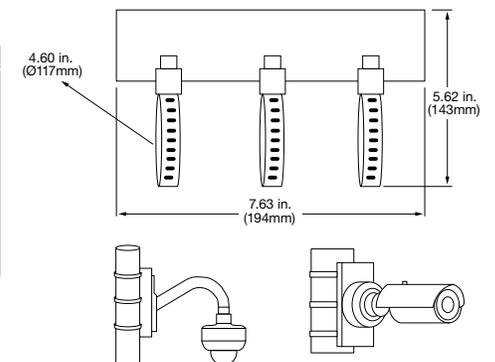
Specifications

PART NO.	TVW-3120
Description	

Housing	Color	White

Camera	Sensor	1/3" Progressive Scan CMOS sensor
	Resolution	1.3MPx
	Day/Night	IR cut filter with auto-switch
	IP Compression	H.264 (Main profile) / MJPEG
	Maximum Resolution (@ fps)	1280 x 960 @ 30fps (60Hz), 1280 x 960 @ 25fps (50Hz)
	Maximum Real-Time Resolution (@ fps)	1280 x 960 @ 30fps (60Hz), 1280 x 960 @ 25fps (50Hz)
	Multiple Streaming	Dual Streams
	Video Bit Rate Mainstream	128 Kbps to 12 Mbps
	Video Bit Rate Substream	128 Kbps to 8 Mbps
	WDR	DWDR (72dB)
	Digital Noise Reduction	3D
	Sensitivity	0.01 lux @ (f1.2, AGC ON), 0 lux @ (IR ON)
	S/N Ratio	50 dB (AGC OFF)
	Auto Exposure (shutter)	60 Hz: 1/3s ~ 1/100,000s, 50 Hz: 1/3s ~ 1/100,000s
	Lens	2.8mm @ f2.0
	Focus	Fixed
	IR Distance	33 ft. (10m) with on/off setting
	IR Wavelength	850nm

Standards & Integrations		Compatible only with UltraSecure Series products by Interlogix that utilize the UltraSync app

Network	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
	Ethernet Port	RJ45 10/100Mbps Auto-negotiate

Wireless	WiFi Standards	IEEE802.11b, 802.11g, 802.11n
	Frequency Range	2.4 GHz ~ 2.4835 GHz
	Channel Bandwidth	20/40MHz Support
	Protocols	802.11b: CCK, QPSK, BPSK; 802.11g/n: OFDM / 11b: 17±1.5dBm @ 11Mbps
	Transmit Output Power	11b: 17±1.5dBm @ 11Mbps; 11g: 14±1.5dBm @ 54Mbps; 11n: 12.5±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 Local Storage	Media	Micro SD/SDXC (8GB card included)
	Capacity	Up to 64GB

Audio	Input	Built-in
	Output	External
	Audio Bit Rate (Protocol)	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)

Camera Alarms	Basic	Motion Detection, Tamper Proof, Privacy Mask
	Advanced	Cross line, Intrusion detection
	I/O Connection	Audio output, Alarm I/O

Display	Display mode	Flipped horizontally (up/down), vertically (right/left) or centered, Hallway view, ROI (Region of Interest)
	On Screen Display (OSD)	Text overlay

Electrical & Mechanical	Voltage	12VDC, PoE (IEEE 802.3-af), Power Supply included
	Current	420mA (Max.)
	Power Consumption	5W (Max.)
	Dimensions (W x H x D)	3.9 x 3.8 x 2.1 in. (99 x 97 x 53mm)
	Weight	0.9 lbs. (407g)
	Adapter Mounting Plates	Converter plate included

Environ- mental	Storage Temperature	-4°F~158°F (-20°C~70°C)
	Operating Temperature	-22°F~140°F (-30°C~60°C)
	Environmental Rating	IP66
	Vandal Rating	IK8

Regulatory	Compliance	R&TTE, FCC, CE, UL, C-Tick, REACH, RoHS, WEEE

1.3MPx IP Wi-Fi®
Wedge IR Camera

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Ordering Information

NTSC

TVW-3120	UltraSecure Compatible, TruVision Intrusion 1.3 MPx, NTSC, WIFI, Outdoor IR Wedge Dome, White, True D/N, H.264, PSIA/ONVIF/CGI, Audio, 10m IR, 2.8mm @ F1.2, PoE / 12VDC, Power Supply and 8GB Micro SD Card Included

Accessories

TVD-CB2	TruVision Dome 2" Cup Base
DR-RWM-AD	Adapter for TruVision Wedge or Plastic Dome to DR-RWM or TVD-M2-WM Wall Mounts
TVD-LWB-1	TruVision Dome Bracket, L-Shape (for Analog/IP Wedge and Analog/HD/IP Plastic Dome Cameras)
TVD-PPB	TruVision Dome Pendant-Mount Bracket (use w/TVD-CB2)
TVD-SNB	TruVision Dome Swan Neck Bracket (use w/TVD-CB2)
TVD-M-PMA	TruVision Pole Mount Adapter (use w/TVD-SNB)

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