TVB-6112

Truvision HD-TVI Analog Bullet Camera, Smart Hybrid light, 2MP, 3.6mm Lens, 20m IR and White light, 12VDC, IP67

High-definition video over coax infrastructure

These advanced 2MP HD-TVI cameras deliver crisp, high-resolution video with 2MP (1920×1080) imaging, making them ideal for a wide range of surveillance applications. Designed to work seamlessly over legacy coaxial cabling, they offer a cost-effective upgrade path without the need for extensive infrastructure changes. Fully compatible with TruVision Hybrid DVRs and encoders, they integrate easily into both new and existing surveillance systems.

Superior imaging in all lighting conditions

Equipped with a large aperture, the cameras provide 24/7 full-color imaging, capturing vivid detail even in low-light environments. Smart-hybrid light technology enhances night surveillance with flexible lighting options—white or IR—that can be activated based on detected motion. With 130 dB true Wide Dynamic Range (WDR) and 3D Digital Noise Reduction (DNR), the cameras maintain clarity and contrast in challenging lighting, including strong backlight or low-light scenes.

Versatile design with built-in audio and rugged protection

The TVx-611x 2MP HD-TVI range includes both fixed lens models (2.8 mm and 3.6 mm) and motorized varifocal lens models (2.8 mm to 12 mm), available in dome and bullet form factors to suit various installation needs. The dome models feature the most powerful illumination with up to 60 meters of both white light and IR distance, ensuring excellent visibility in darkness. Built-in microphones enable high-quality audio over coax, and robust IP67 water/dust resistance combined with IK10 vandal protection ensures durability in demanding indoor or outdoor environments.



Details

- 2MP resolution
- Color images at night, with minimal environmental light or supported by built-in white light
- IR and white light range illumination up to 20 m
- HD-TVI technology for transmitting HD quality video over existing coax cable
- True day/night functionality combined with Smart IR and white light function for capturing quality images in various lighting scenarios
- IP67 environmental rating
- True Wide Dynamic Range
- OSD functionality via TruVision up the coax control

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Technical specifications

General

Technology	HD-TVI analog
Video standard	NTSC, PAL
Privacy masking	4 programmable privacy masks
Video output	BNC Composite PAL / NTSC, HD-TVI

Camera

Max. resolution	2 MP
Sensor scan	Progressive
Sensor type	CMOS
Effective pixels (H x V)	1920 x 1080
Shutter time	PAL: 1/25 s to 1/50,000; NTSC: PAL: 1/30 s to 1/50,000

Lighting performance

WDR type	True WDR
WDR	130 dB
White light	Yes
White light range	Up to 20 m
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light
Infrared (IR)	Yes
IR range	Up to 20 m

Lens

Lens type	Fixed
Focal length	3.6 mm, horizontal FoV: 85°, vertical FoV: 46°, diagonal FoV: 98°
f-stop	F1.0
Auto iris	No

Audio

Audio in	Built-in mic., pickup radius up to 5 m

Alarm I/O

Alarm strobe light	Yes

Video intelligence

Intelligence options	White light trigger by recorder (as of TVR17)

Electrical

Operating voltage	12 VDC
Power consumption	5.4 W max.

Physical

Physical dimensions	161 x 68 × 65 6.34 × 2.69 × 2.57 in.
Net weight	Approx. 405 g Approx. 0.9 lb.
Colour	Grey (Pantone 428c)
Material	Metal
Form Factor	Bullet

Environmental

Vandal proof	No
Environment	Indoor, Outdoor
Operating temperature	-40 to 60 °C -40 to 140 °F
Relative humidity	<90%, noncondensing
IP rating	IP67

Regulatory

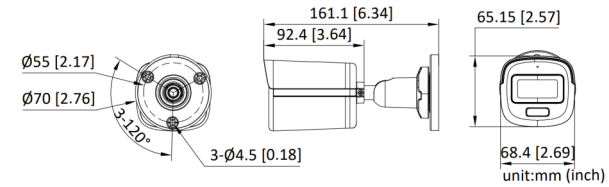
Compliancy	CE, REACH, RoHS, WEEE

Compatible TruVision Recorders/Encoders

TVR17	
TVR12HD	(Record max. 12 fps)
TVR46HD	
TVR45HD	
TVR15HD	
TVE-120/420/820/1620	

Compatible products

Category	Reference	Description
Brackets & Mounts	TVB-BB1	TruVision bullet camera back box (use with TVB fixed lens bullet)



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