# TVB-6113

## Truvision HD-TVI Analog Bullet Camera, Smart Hybrid light, 2MP, 2.8-12mm Lens, 60m 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 60 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 | HD-TVI |
| Accessory | Back box TVB-BB2 not included. To be ordered separately. |

### 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 60 m |
| Digital noise reduction | 3D DNR |
| Day/night | Dzień/Noc z filtrem |
| Motorized IR cut filter | Yes |
| Color sensitivity | 0.0005 Lux @ (F1.28, AGC ON), 0 Lux with white light |
| Infrared (IR) | Yes |
| IR range | Up to 60 m |

### Lens

| | |
|---|---|
| Lens type | Zmienna zmotoryzowana |
| Focal length | 2.8 to 12 mm, Horizontal FoV: 106 to 32°, vertical FoV: 56 to 18°, diagonal FoV: 127 to 37° |
| f-stop | F1.28 |
| Auto focus | Yes |
| Motorized zoom | Yes |

### Audio

| | |
|---|---|
| Audio in | Built-in mic. |

### Alarm I/O

| | |
|---|---|
| Alarm strobe light | Yes |

### Electrical

| | |
|---|---|
| Operating voltage | 12 VDC |
| Power consumption | 7.8 W max. |

### Physical

| | |
|---|---|
| Physical dimensions | Ø 105 ×252 mm<br>Ø 4.13 × 9.92 in. |
| Net weight | Approx. 920 g<br>Approx. 2.03 lb. |
| Colour | Szary (Pantone 428c) |
| Material | Metal |
| Form Factor | Bullet |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Environment | Indendør, Udendørs |
| Operating temperature | -40 to +60°C<br>-40 to 140 °F |
| Relative humidity | <90%, noncondensing |
| IP rating | IP67 |

### Regulatory

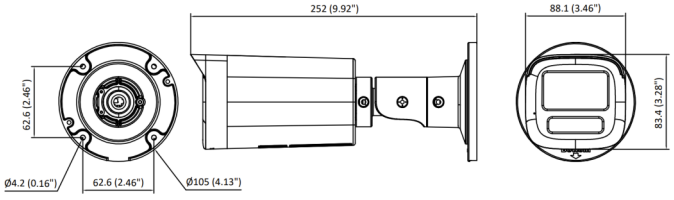
| | |
|---|---|
| Compliancy | CE, REACH, RoHS, WEEE |

### 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-BB2 | TruVision back box for M series Full Color fixed lens mini bullet camera |
| Brackets & Mounts | TVD-M-PMA-SS | TruVision Pole Mount Adaptor, stainless steel |

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