

# IP Fixed Lens Dome Camera

4 MPx, H.265



TVD-5602 / TVD-5603

## OVERVIEW

The TruVision line of IP dome cameras leverages the latest H.265 video compression technology to bring state-of-the-art, high-definition pictures to the mass video surveillance market. With video resolutions from 4 megapixel to 4K, 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.

TruVision cameras utilize H.265 and/or H.264 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. Recording to a local MicroSD card (not included) protects data in the event of network disruptions.

These cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line detection, intrusion detection and face detection features. Each is user-configurable to best suit the installation environment. A Region of Interest function (ROI) ensures specific portions of an image are given priority during instances of high network traffic or network degradation.

## STANDARD FEATURES

- Maximum Resolution: 2560 x 1440
- H.265 and/or H.264 compression with triplestreaming functionality
- ONVIF Profile G and S open standards
- Edge recording up to 128 GB SDHC card
- Up to 30 m IR illumination
- Up to 120 dB Wide Dynamic Range
- Video intelligence: intrusion detection, cross line detection
- Audio and alarm I/O

# IP Fixed Lens Dome Camera

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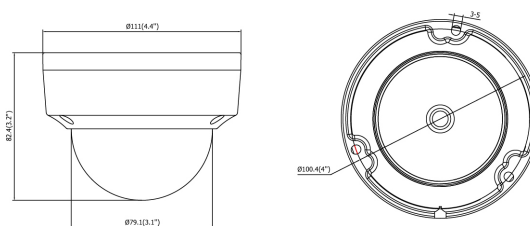
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## Specifications

|                          |                             | 4MPx                                                                                                                                   | 8MPx                   |
|--------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Camera                   | Sensor size                 | 1/2.8"                                                                                                                                 | 1/2.5"                 |
|                          | Max. resolution             | 4 MPX                                                                                                                                  | 8 MPX (4K)             |
|                          | Sensor scan                 | Progressive                                                                                                                            |                        |
|                          | Sensor type                 | CMOS                                                                                                                                   |                        |
|                          | Shutter time                | 1/3 to 1/100, 000 s                                                                                                                    |                        |
| Lighting performance     | WDR type                    | True WDR                                                                                                                               |                        |
|                          | WDR                         | 120 dB                                                                                                                                 |                        |
|                          | Digital noise reduction     | 3D DNR                                                                                                                                 |                        |
|                          | Day/night                   | True Day/Night                                                                                                                         |                        |
|                          | Color sensitivity           | 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON)                                                                                  |                        |
|                          | B/W sensitivity             | 0 lux with IR on                                                                                                                       |                        |
|                          | B/W trigger                 | Auto/Schedule/Triggered by alarm in                                                                                                    |                        |
|                          | Infrared (IR)               | Yes                                                                                                                                    |                        |
|                          | IR range                    | Up to 30 m                                                                                                                             |                        |
|                          | Encoding                    | Video streams                                                                                                                          | 3                      |
| Main stream compression  |                             | H.264, H.265                                                                                                                           |                        |
| Sub stream compression   |                             | H.264, H.265, MJPEG                                                                                                                    |                        |
| Third stream compression |                             | H.264, H.265                                                                                                                           |                        |
| Video bit rate           |                             | 32 to 16 Mbps                                                                                                                          |                        |
| Main stream resolutions  |                             | 2304 x 1296, 2560 x 1440, 1920 x 1080 (1080p)                                                                                          |                        |
| Sub stream resolutions   |                             | 320 x 240 (QVGA), 640 x 360 (nHD), 640 x 480 (VGA), 704 x 576 (4CIF)                                                                   |                        |
| Third stream resolutions |                             | 352 x 288 (CIF), 640 x 360 (nHD), 1280 x 720 (XVGA)                                                                                    |                        |
| Max. resolution @ fps    |                             | 2560 x 1440 @ 25/30 fps                                                                                                                | 3840 x 2160 @ 12.5 fps |
| Lens                     |                             | Lens type                                                                                                                              | Fixed                  |
|                          | Focal length                | 2.8 mm: horizontal FOV: 98°, vertical FOV: 55°, diagonal FOV: 114°                                                                     |                        |
|                          | f-stop                      | F1.6                                                                                                                                   |                        |
| Network                  | Supported video standards   | ISAPI, ONVIF Profile G, ONVIF Profile S                                                                                                |                        |
|                          | Supported network protocols | 802.1x, Bonjour, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP |                        |
| Audio                    | Audio compression           | G.711, G.722.1, G.726, MP2L2                                                                                                           |                        |
|                          | Audio in                    | 1 input (line in/mic.in)                                                                                                               |                        |
|                          | Audio out                   | 1 output (line out)                                                                                                                    |                        |
|                          | Audio bit rate              | 64kbps(G.711) / 16kbps(G.722.1) / 16kbps(G.726) / 32-192kbps(MP2L2)                                                                    |                        |
| Alarm I/O                | Alarm inputs                | 1                                                                                                                                      |                        |
|                          | Alarm outputs               | 1 (up to 12 VDC, 30 mA)                                                                                                                |                        |
|                          | Alarm I/O connection        | Terminal block                                                                                                                         |                        |
| Storage                  | Local storage support       | Yes                                                                                                                                    |                        |
|                          | Local storage type          | Built-in Micro SD/SDHC/SDXC card slot                                                                                                  |                        |
|                          | Max. storage capacity       | 128GB                                                                                                                                  |                        |

|                    |                                |                                                                                                                  |
|--------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------|
| Video intelligence | Alarm trigger                  | HDD error, HDD full, Illegal login, IP address conflict, Motion detection, Network disconnected, Video tampering |
|                    | ROI                            | Support 1 fixed region for main stream and sub-stream                                                            |
|                    | Video analytics                | Face detection, Intrusion detection, Line crossing detection                                                     |
| General            | Technology                     | IP                                                                                                               |
|                    | Video standard                 | PAL                                                                                                              |
|                    | Display modes                  | Hallway View, Mirror, ROI (Region Of Interest)                                                                   |
|                    | Software compatibility         | OnGuard, TruVision Navigator, TVRmobile, Web Browser                                                             |
| Electrical         | Operating voltage              | 12 VDC ± 25%, Φ 5.5 mm coaxial power plug PoE (802.3af, class 3)                                                 |
|                    | Power consumption              | max. 6 W @ 12 VDC                                                                                                |
|                    | Current consumption            | 0.5 A @ 12 VDC                                                                                                   |
| Physical           | Physical dimensions            | 111 x 82 mm                                                                                                      |
|                    | Net weight                     | 500 g                                                                                                            |
|                    | Colour                         | Grey                                                                                                             |
|                    | Form Factor                    | Dome                                                                                                             |
| Environmental      | Vandal proof                   | Yes                                                                                                              |
|                    | Operating temperature          | -30 to +60°C                                                                                                     |
|                    | Relative humidity              | <95% (non-condensing)                                                                                            |
|                    | Environment                    | Outdoor                                                                                                          |
|                    | IP rating                      | IP67                                                                                                             |
|                    | Impact rating                  | IK10                                                                                                             |
| Compliance         | CE, FCC, REACH, RoHS, UL, WEEE |                                                                                                                  |

## Dimensional Diagram



Unit: mm (Inch)

## Ordering Information

|          |                                                                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TVD-5602 | TruVision 4MPx, H.265/H.264, IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10    |
| TVD-5603 | TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10 |

### Accessories - Wall Mount

|         |                                |
|---------|--------------------------------|
| TVD-SNB | TruVision Dome swan neck       |
| TVD-CB7 | TruVision Dome 6 inch cup base |

### Accessories - Pendant Mount

|         |                                |
|---------|--------------------------------|
| TVD-PPB | TruVision Dome pendant mount   |
| TVD-CB7 | TruVision Dome 6 inch cup base |

Specifications subject to change without notice.

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