# TVUC-B01-0401-DOM-W

**UltraSync Wi-Fi dome camera, 4MP, 30 m IR, Wi-Fi, 2.8 mm, IP66, audio, 32 GB SD storage, white**

## Introduction

Designed to revolutionize the way you monitor your surroundings, the UltraSync cameras combine advanced features with effortless integration, delivering an unparalleled surveillance experience. With two variants boasting 4 megapixels, the UltraSync cameras offer exceptional image quality, ensuring crystal-clear details in every frame. Whether you opt for the sleek bullet design or the versatile dome variant, you can capture every moment with stunning clarity.

## For a multitude of applications

Equipped with infrared (IR) technology, the UltraSync cameras ensure reliable monitoring even in low-light conditions without sacrificing image quality. Audio capability further enhances the surveillance experience. The inclusion of audio expands the capabilities of these cameras, making them an indispensable asset in various scenarios.

## Integrated & secure

To maximize the potential of the UltraSync cameras, they seamlessly integrate with the xGenConnect alarm panel and UltraSync+ mobile app. Through the secure UltraSync platform, you can effortlessly control and manage your cameras, ensuring comprehensive surveillance at your fingertips. Enjoy real-time access to live video feeds, customize settings, and receive instant alerts, all from the convenience of your mobile device.

## Standalone operation

In scenarios where only one camera is needed—such as monitoring a specific entry point, a small office, or a single room—the UltraSync cameras provide a straightforward solution. Its stand-alone operation eliminates the need for a full surveillance system, making it ideal for focused security requirements.

## Remote monitoring and alarm management

As an end-user, you can manage your security system remotely 24/7 through the secure UltraSync platform using the UltraSync+ mobile app. You can also decide to have a Central Monitoring Station securely monitor your system in for alarm events and even perform video verification after an event occurs.



## Details

- Integrate with xGenConnect alarm panel and UltraSync+ mobile app
- Can be used as standalone camera managed with TVRMobile or Advisor Advanced Pro app
- Maximum resolution: 4MP (2688 x 1520)
- Wi-Fi and LAN connectivity
- Up to 30 m IR illumination
- Suitable for indoor and outdoor
- Pre-installed 32GB SD card storage
- Optional mounting accessories available

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## Technical specifications

### General

| | |
|---|---|
| Technology | IP |
| Video standard | NTSC, PAL |
| Software compatibility | Advisor Advanced Pro mobile app., TVRmobile, UltraSync+ mobile app., Web Browser |
| Note | For integrated setup with xGenConnect, use UltraSync+ mobile app |
| | For camera standalone operation without alarm panel, use TVRMobile or Advisor Advanced Pro mobile app |

### Camera

| | |
|---|---|
| Sensor size | 1/3" |
| Max. resolution | 4 MPX |
| Sensor scan | Progressivo |
| Sensor type | CMOS |
| Digital S/N ratio | ≥52 dB |
| Shutter time | 1/3 to 1/100,000 s |

### Lighting performance

| | |
|---|---|
| WDR | 120 dB |
| Day/night | True Day/Night |
| Motorized IR cut filter | Yes |
| Color sensitivity | Color: 0.005 lux @ (F1.6, AGC ON), B/W: 0 Lux with IR |
| Infrared (IR) | Yes |
| IR range | Up to 30 m |
| IR wavelength | 850 nm |

### Encoding

| | |
|---|---|
| Video streams | 2 |
| Main stream compression | H.264, H.264+, H.265, H.265+ |
| Sub stream compression | H.264, H.265, MJPEG |
| Video bit rate | 32 Kbps to 8 Mbps |
| Main stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 2304 x 1296, 2560 x 1440 |
| Sub stream resolutions | 1280 x 720 (XVGA), 640 x 360 (nHD), 640 x 480 (VGA) |
| Max. resolution @ fps | 2560 x 1440 @ 20 fps |

### Lens

| | |
|---|---|
| Lens type | Fast |
| Focal length | 2.8 mm, Horizontal FoV 95°, Vertical FoV 53°, Diagonal FoV 111° |
| f-stop | F1.6 |
| Auto iris | No |

### DORI

| | |
|---|---|
| Detection | 63 m |
| Observation | 25 m |
| Recognition | 12 m |
| Identification | 6 m |

### Network

| | |
|---|---|
| Network interface | RJ-45 10/100 Mbps self-adaptive Ethernet interface |
| Integration | ISAPI, ONVIF Profile G, ONVIF Profile S |
| Supported network protocols | Bonjour, DDNS, DHCP, DNS, HTTP, HTTPS, ICMP, IGMP, IPv6, NTP, PPPoE, Qos, RTCP, RTP, RTSP, SNMP, TCP/IP, UPnP |

### WiFi

| | |
|---|---|
| WiFi standards | 802.11n: OFDM, 802.11b; DSSS,802.11g: OFDM |
| Channel bandwidth | 20/40 MHz |
| WiFi range | Up to 120 m (The performance can vary based on installation environment) |
| Frequency range | 2.412 to 2.472 GHz |
| Transfer rates | 802.11n: up to 300 Mbps |
| Modulation | 802.11n: BPSK, QPSK, 16QAM, and 64QAM, 802.11b: DBPSK and DQPSK, CCK, 802.11g: BPSK, QPSK, 16QAM, and 64QAM |

### Audio

| | |
|---|---|
| Audio compression | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM |
| Audio in | Built-in microphone |
| Audio out | Built-in speaker |
| Audio bit rate | 64 Kbps (G.711)/16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 160 Kbps (MP2L2) |

### Storage

| | |
|---|---|
| Local storage support | Yes |
| Local storage type | Built-in Micro SD/SDHC/SDXC card slot with 32 GB SD card pre-installed |
| Max. SD card capacity | 256 GB |

### Video intelligence

| | |
|---|---|
| Alarm trigger | Erro HDD, Login ilegal, Conflito de endereço IP, Desligado da rede |
| ROI | Support 1 fixed region for main stream |
| Smart event | Deteção avançada de movimento, Motion detection |

### Electrical

| | |
|---|---|
| Operating voltage | 12 VDC ± 25%, 0.5 A, Ø5.5 mm coaxial power plug, reverse polarity protection<br>12 VDC power adapter included |
| Power consumption | max. 6 W |

### Physical

| | |
|---|---|
| Physical dimensions | Ø 126 × 96.1 mm (5 × 3.8 in.) |
| Net weight | Approx. 590 g (1.3 lb.) |
| Shipping weight | Approx. 989 g (2.2 lb.) |
| Colour | Hvid |
| Material | Aluminium, Plastic |
| Form Factor | Dome |

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### Environmental

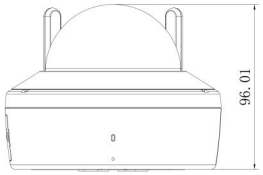
| | |
|---|---|
| Environment | Udendørs |
| Operating temperature | -30 to +60°C (-22 to +140°F) |
| Storage temperature | -30 to 60°C (-22 to +140°F) |
| Relative humidity | <95% noncondensing |
| IP rating | IP66 |

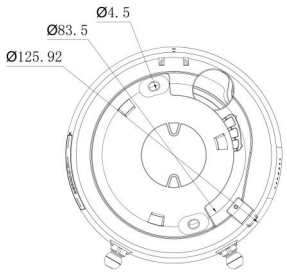
### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RED (2014/53/EU), RoHS, WEEE |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Brackets & Mounts | TVD-BB5 | Back box for UltraSync Wi-Fi dome camera, white |
| Brackets & Mounts | TVD-CB11 | Cup base for UltraSync Wi-Fi dome camera, white |
| Brackets & Mounts | TVD-CBW-W | TruVision wall mount bracket compatible with white TruVision cup bases TVD-CBx-W |
| Brackets & Mounts | TVD-PPB-W | TruVision dome pendant ceiling mount bracket for TVD-CBx, TVF-CBM, white |




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