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.

For environments where the camera location might need to change over time, the camera’s wireless connectivity offers unmatched flexibility. Whether you're monitoring different areas of a store or adapting to changing security needs in an office, the ease of relocating the camera without dealing with wiring makes it a convenient choice.

Integrated with xGenConnect

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 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 MP
Sensor scan	Progressive
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	Fixed
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	HDD error, Invalid login, IP address conflict, Network disconnected
ROI	Support 1 fixed region for main stream
Smart event	Advanced motion detection, Motion detection

Electrical

Operating voltage	12 VDC ± 25%, 0.5 A, Ø5.5 mm coaxial power plug, reverse polarity protection 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	White
Material	Aluminium, Plastic
Form Factor	Dome

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Environmental

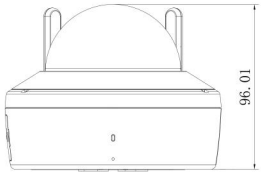
Environment	Outdoor
Operating temperature	-30 to +60°C (-22 to +140°F)
Storage temperature	-30 to 60°C (-22 to +140°F)
Relative humidity	<95% noncondensing
IP rating	IP66

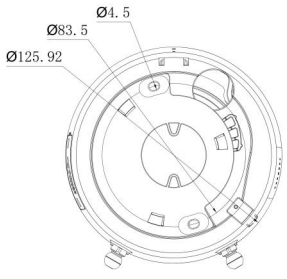
Regulatory

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

Compatible products

Category	Reference	Description
Brackets & Mounts	TVD-BB5	
Brackets & Mounts	TVD-CB11	
Brackets & Mounts	TVD-CBW-W	
Brackets & Mounts	TVD-PPB-W	





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