






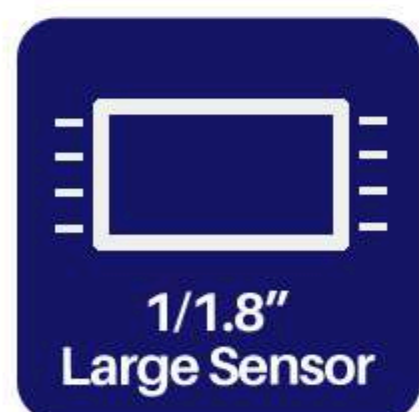

# IPTECHVIEW Universal Camera

[ U2-TRT-4F28 / U2-TRT-4F40 ]

## 4MP Fixed IR Turret Cloud Camera



IPTECHVIEW U2-Turret-4F28/40 features day/night functionality and WDR for ensuring ultra-high image quality in low illumination environments. This high quality camera with 4MP sensor @ 30fps. Thanks to the memory card slot, you can optionally record at the edge. The camera is made with an impact- and dust-resistant metal case rated IP67 ingress protection.

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > Full access to GUI through IPTECHVIEW
  - > Rich monitoring & alerting rules
- High quality image with 1/1.8" CMOS sensor
- 4MP (2688 x 1520)@ 30/25fps
- Ultra 265, H.265, H.264, MJPEG \*\*
- ColorHunter with Wise-ISP technology ensures 24-hour full-color images
- Intelligent perimeter prevention system, including cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reducing false alarm caused by leaves, birds and lights, accurately focusing on human, motor vehicle and non-motor vehicle
- Intelligent people flow counting and crowd density monitoring
- Smart intrusion prevention with color retrieval
- ASM (auto scene match)
- 130dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Smart IR, up to 30m (98.4ft) IR distance
- Alarm I/O: 1/1, Audio I/O: 1/1, built-in mic
- White light up to 30m (98.4 ft) warm light distance
- Up to 512GB Micro SD card
- Supports NEMA 4X, IK10 vandal resistant and IP67 protection
- Support PoE power supply

Compatible with IPTECHVIEW and any VMS that supports



\* **NDA A Compliant Camera.** Connectivity software & cloud design developed in the USA.

\*\* IPTECHVIEW cloud recording uses H.264

# Specifications

Camera	U2-TRT-4F28	U2-TRT-4F40
Max Resolution	4 MP	
Sensor	1/1.8" CMOS	
Minimum Illumination	Color: 0.003 Lux (F1.0, AGC ON)	
Shutter	Auto/Manual, shutter time: 1~1/100000 s	
Adjustment Angle	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotate: 0° ~ 360°	
S/N	>56 dB	
WDR	130 dB	

Lens	U2-TRT-4F28	U2-TRT-4F40
Focal Length	2.8 mm	4.0 mm
Angle of View	110.4° x 60.5° x 115.2°	88.2° x 47.6° x 104.0°
Iris Type	Fixed	
Iris	F1.0	
Lens Type	Fixed	

DORI	U2-TRT-4F28	U2-TRT-4F40
DORI Distance (Lens):	2.8 mm	4 mm
DORI Distance (Detect):	43.4 m (142.4 ft.)	62.1 m (203.7 ft.)
DORI Distance (Observe):	17.4 m (57.1 ft.)	24.8 m (81.4 ft.)
DORI Distance (Recognize):	8.7 m (28.5 ft.)	12.4 m (40.7 ft.)
DORI Distance (Identify):	4.3 m (14.1 ft.)	6.2 m (20.3 ft.)

Illuminator	U2-TRT-4F28	U2-TRT-4F40
Supplemental Light	Warm light	
Illumination Distance (Warm Light)	30 m (98.4 ft)	
Light On/Off Control	Auto/Manual	

Video	U2-TRT-4F28	U2-TRT-4F40
Video Compression	Ultra 265, H.265, H.264, MJPEG**	
H.264 code profile	Baseline profile, Main profile, High profile	
Frame Rate	Main Stream: 4MP (2688 x 1520), 4MP (2560 x 1440); 3MP (2304 x 1296); 1080P (1920 x 1080), 720P (1280 x 720) Max 30 fps Sub Stream: 1080P (1920 x 1080), 720P (1280 x 720); D1 (720 x 576); 640x360; 2CIF (704 x 288); CIF (352 x 288) Max.30 fps Third Stream: D1 (720 x 576); 640 x 360; 2CIF (704 x 288); CIF (352 x 288) Max.30 fps	
Video Bit Rate	128 Kbps~16 Mbps	
U-code	Support	
OSD	Up to 8 OSDs	
Privacy Mask	Up to 4 areas	
ROI	Support	
Video Stream	Triple streams	

Image	U2-TRT-4F28	U2-TRT-4F40
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2	
Digital Noise Reduction	2D/3D DNR	
Auto Scene Match (ASM)	Support	
Flip	Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise	
Dewarping	N/A	
HLC	Support	
BLC	Support	
Defog	Digital defog	

Intelligence	U2-TRT-4F28	U2-TRT-4F40
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)	
Statistical Analysis	N/A	
People Counting	Support people flow counting and crowd density detection	
Attribute Collection	SIP with color retrieval	

Events	U2-TRT-4F28	U2-TRT-4F40
Basic Detection		Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind, Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output

Audio	U2-TRT-4F28	U2-TRT-4F40
Audio Compression	G.711 U, G.711A	
Audio Bitrate	64 Kbps	
Two-way Audio	Support	
Suppression	Support	
Sampling Rate	8 kHz	

Storage	U2-TRT-4F28	U2-TRT-4F40
Edge Storage		MicroSD, up to 512 GB
Network Storage		ANR, NAS (NFS)

Network	U2-TRT-4F28	U2-TRT-4F40
Protocols		IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH
Compatible Integration		IPTECHVIEW-Ready™
User/Host		Up to 32 users. 3 user levels: administrator, common user and operator
Security		Password protection, Strong password, HTTPS Encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client		EZStation, APP
Web Browser		Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+ Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+

Interface	U2-TRT-4F28	U2-TRT-4F40
Audio I/O		1 Input: impedance 35 kΩ; amplitude 2 V [p-p] 1 Output: impedance 600 Ω; amplitude 2 V [p-p]
Alarm I/O		1/1
Serial Port		N/A
Built-in Mic		Support
Built-in Speaker		N/A
WIFI		N/A
Network		1 x RJ45 10 M/100 M Base-TX Ethernet
Video Output		N/A

Certification	U2-TRT-4F28	U2-TRT-4F40
EMC		CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130) FCC (FCC 47 CFR part 15 B)
Safety		CE-LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment Protection		CE-RoHS (2011/65/EU; EU 2015/863); WEEE (2012/19/EU) IP67 (IEC 60529) IK10 (IEC 62262) NEMA 4X

General	U2-TRT-4F28	U2-TRT-4F40
Power		DC12V ± 25%, PoE (IEEE 802.3af)
Power Consumption		Max. 4.5 W
Power Interface		Ø5.5 mm coaxial power plug
Dimensions		Ø129 mm × 110 mm (Ø5.1" × 4.3") (Ø × H)
Weight		0.67 kg (1.48 lb)
Material		Metal
Working Environment		-40 °C to 60 °C (-40 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment		-40 °C to 60 °C (-40 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection		4 KV
Reset Button		Support
Web Client Language		20 Languages: (Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe - Brazil), Japanese, Thai, Turkish, Spanish (Europe - Latin America), Hungarian, Italian, Vietnamese)

# Accessories

 U1-ACC-D/H/T/PT-SE24 Pendant Mount	 U1-ACC-D/H/T-CM24 Fixed Dome Indoor Pendant Mount	 U2-ACC-D/T-JB07/WM03-F-IN-V2 Fixed Dome Outdoor Wall Mount	 U2-ACC-B/D/T-POLE06-C-IN-V2 Pole Mount Adapter	 U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint
 U1-ACC-D/H/T/PT-SE24-A Long Fixed Dome Pendant Mount	 U2-ACC-H-JB03H-IN-V2 Junction Box for Metal	 U2-ACC-D/T-WM03-B-IN-V2 Fixed Dome Indoor Wall Mount	 U2-ACC-D/B-UC08-C-V2 Corner Mount	 U2-ACC-T-JB03-J-IN Junction Box for Metal Turret