



IPTECHVIEW Universal Camera

[U2-DOM-4F28]

4MP Fixed IR Dome Cloud Camera



IPTECHVIEW U2-Dome-4F28 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 1/3.0" CMOS sensor
- 4MP (2688 x 1520)@ 30/25fps
- Ultra 265, H.265, H.264, MJPEG **
- LightHunter technology ensures ultra-high image quality in low
- 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
- Smart intrusion prevention with color retrieval
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Built-in Mic
- 3-axis
- Smart IR, up to 30m (98.4 ft) IR distance
- Up to 512GB Micro SD card
- 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-DOM-4F28

Max Resolution	4 MP
Sensor	1/3.0" CMOS
Minimum Illumination	Color: 0.002 Lux (F1.6, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Adjustment Angle	Pan: 0° ~ 90° Tilt: 0° ~ 68° Rotate: 0° ~ 360°
S/N	>52 dB
WDR	120 dB

Lens

Focal Length	2.8 mm
Angle of View	101.1° x 55.3° x 111.1°
Iris Type	Fixed
Iris	F1.6
Lens Type	Fixed

DORI

DORI Distance (Lens):	2.8 mm
DORI Distance (Detect):	63.0 m (206.7 ft)
DORI Distance (Observe):	25.2 m (82.7 ft)
DORI Distance (Recognize):	12.6 m (41.3 ft)
DORI Distance (Identify):	6.3 m (20.7 ft)

Illuminator

Supplemental Light	IR
Illumination Distance (IR)	30 m (98.4 ft)
Wavelength	850 nm
Light On/Off Control	Auto/Manual

Video

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) max 30 fps Sub Stream: 720P (1280 x 720); D1 (720 x 576). (640x360); 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

Smart IR	Support
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	N/A
BLC	Support
Defog	Digital defog

Intelligence

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)
People Counting	Support people flow counting and crowd density detection
Statistical Analysis	N/A

Events

Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication

Audio

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

Storage

Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSH, SSL/TLS
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

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	N/A
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

EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035)
Safety	FCC (FCC 47 CFR part 15 B) CE-LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529) IK10 (IEC 62262)

General

Power	DC12V ± 25%, PoE (IEEE 802.3af)
Power Consumption	Max. 6.0 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Ø110 mm × 61 mm (Ø4.3" × 2.4") (Ø × H)
Weight	0.37 kg. (0.82 lb.)
Material	Metal
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	N/A
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-D/T-UM06 Slant Mounting Bracket
 U1-ACC-D/H/T/PT-SE24-A Long Fixed Fome Pendant Mount	 U1-ACC-D/T-JB03G Fixed Dome Outdoor Wall Mount	 U2-ACC-D/T-WM03-B-IN-V2 Fixed Dome Indoor Wall Mount	 U2-ACC-D/B-UC08-C-V2 Corner Mount	 U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint