

IPTECHVIEW Universal Camera

[U1-DOM-VF]

5MP HD IR VARIFOCAL Dome Cloud Camera



IPTECHVIEW U1-Dome-VF feature day/night functionality and WDR for ensuring ultra-high image quality in low illumination environments. This high quality camera with 5MP sensor @ 30fps with support for Ultra 265, H.265 and H.264 reducing bandwidth and storage requirements. 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
- Intelligent perimeter protection include cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights, etc, accurately focus on human and, motor vehicle, and non-motor vehicle
- Intelligent People Flow Counting and Crowd Density Monitoring
- High quality image with 1/2.7" CMOS sensor
- 5MP (2880x1620) @30/25fps
- Ultra 265, H.265, H.264, MJPEG**
- LightHunter technology ensure ultra-high image quality in low illumination environment
- 120dB true WDR technology
- Supports 9:16 Corridor Mode
- Built-In Mic
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Smart IR, up to 131ft (40m) IR distance
- Up to 256GB Micro SD card
- IK10 vandal resistant and IP67 protection
- Support PoE power supply IEEE802.3af

Compatible with IPTECHVIEW and any VMS that supports



* **NDAA-Compliant Camera.** Connectivity software & cloud design developed in the USA (MSTAR SOC).

** IPTECHVIEW cloud recording uses H.264

Specifications

Camera U1-DOM-VF

| | |
|----------------------|---|
| Sensor | 1/2.7", 5.0 megapixel, progressive scan, CMOS |
| Minimum Illumination | Color: 0.002 Lux (F1.2, 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° ~ 355° |
| WDR | 120dB |
| S/N | >56dB |

Lens

| | |
|-------------------|---|
| Lens | 2.7 ~ 13.5mm, AF automatic focusing and motorized zoom lens |
| Iris | Fixed |
| Field of View (H) | 106.25° ~ 30.42° |
| Field of View (V) | 56.36° ~ 17.22° |
| Field of View (D) | 110.34° ~ 34.18° |

DORI

| | | | | | |
|---------------|------|------------|-------------|---------------|--------------|
| Lens | (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
| DORI Distance | 2.7 | 60.8 | 24.3 | 12.2 | 6.1 |
| | 13.5 | 303.8 | 121.5 | 60.8 | 30.4 |

Illuminator

| | |
|-------------------|-----------------------------|
| IR Range | Up to 40m (131 ft) IR Range |
| Wavelength | 850nm |
| IR On/Off Control | Auto/Manual |

Image

| | |
|--------------------|---|
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| H.264 Code Profile | Baseline profile, Main profile, High profile |
| | Main Stream: 5MP (2880x1620), Max 30fps; |
| | 4 MP (2560x1140), Max 30fps; 3MP (2304x1296), |
| | Max 30fps; 1080P (1920x1080), Max 30fps; |
| | Sub Stream: 720P (1280x720), Mx 30fps; |
| | D1 (720x576), Max 30fps; |
| Frame Rate | 640x360, Max 30fps; |
| | Third Stream: D1 (720x576), Max 30fps; |
| | 640x360, Max 30fps; |
| Video Bit Rate | 128 Kbps ~ 16 Mbps |
| U-code | Supported |
| OSD | Up to 8 OSDs |
| Privacy Mask | Up to 4 areas |
| ROI | Up to 8 areas |
| Video Stream | Triple streams |

Intelligence

| | |
|-------------------------|--|
| Smart intrusion prevent | Support false alarm filtering: People/vehicle detection, Cross line detection, People counting, support people flow counting |
| Statistical Analysis | monitoring |

Events

| | |
|-------------------|--|
| Basic Detection | People/vehicle detection, motion detection, ultra motion detection, tampering alarm, audio detection |
| General Detection | Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication |

Audio

| | |
|-------------------|-----------|
| Audio Compression | G.711 |
| Audio Bitrate | 64 Kbps |
| Two-way Audio | Supported |
| Suppression | Supported |
| Sampling Rate | 8 KHZ |

Storage

| | |
|-----------------|----------------------|
| Edge Storage | Micro SD, up to 25GB |
| Network Storage | ANR, NAS (NFS) |

Network

| | |
|----------------------------------|---|
| Protocols | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH |
| Compatible Integration User/Host | ONVIF (Profile S, Profile G, Profile T), API, SDK Up to 21 users. 2 user levels: administrator and common user. |
| 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 EZStation |
| Client Web Browser | EZView, EZLive, Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above |

Interface

| | |
|------------------|---|
| Audio I/O | Input: Impedance 35kΩ; amplitude 2V ([p-p]) Output: impedance 600Ω; amplitude 2V ([p-p]) |
| Alarm I/O | 44927 |
| RS485 | N/A |
| Built-in Mic | Supported |
| Built-in Speaker | N/A |
| WiFi | N/A |
| Network | 1 * RJ45 10M/100M Base-TX Ethernet |
| Video Output | N/A |

Certifications

| | |
|--------------------|--|
| EMC | CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1 : 2021, EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part15B, ANSI C63.4-2014) |
| Safety Environment | CE LVD (EN 62368-1:2014+A11:2017) UL (UL 62368-1, 2nd Ed, Issue Date: 2014-12-01) CE-RoHS (2011/65/EU; (EU) 2015/863); WEEE (2012/19/EU); Reach IP67 (IEC 60529:1989+AMD: 1999+AMD2:2013), IK10 (IEC 62262:2002) |

General

| | |
|---------------------|--|
| Power | DC 12V± 25%, PoE (IEEE 802.3af) Power consumption: Max 7.0W |
| Power Interface | Ø 5.5mm coaxial power plug |
| Dimension (Ø x H) | Ø148.0 x 111.4mm (Ø5.8" x 4.4") |
| Weight | 0.97kg (2.12lb) |
| Material | Metal |
| Working Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) |
| Storage Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) |
| Surge Protection | 6KV |
| Reset Button | Supported |

Accessories

| | | | | | | | |
|--|---|---|--|---|---|---|--|
|  | U1-ACC-DV-JB04 Fixed Dome Outdoor Wall Mount |  | U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint |  | U1-ACC-D/H/T/PT-SE24-A Long Fixed Fome Pendant Mount |  | U1-ACC-D/H/T-CM24 Fixed Dome Indoor Pendant Mount |
|  | U1-ACC-DV-WM04 Fixed Dome Indoor Wall Mount |  | U1-ACC-B/D/T-POLE06-C Pole Mount Adapter |  | U1-ACC-D/H/T/PT-SE24 Short Fixed Dome Pendant Mount |  | U1-ACC-D/B-UC08-C Corner Mount |