

IPTECHVIEW Universal Camera (U1-TRT-5PANO)

5MP HD IR Turret Panoramic Cloud Camera

The U1-Turret-5MP-Panoramic camera features 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 need
 - Full access to GUI through IPTECHVIEW
 - Rich monitoring & alerting rules
- Smart intrusion prevention, 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
- Wide angle technology realize the horizontal viewing angle of 180°
- The dewarp level can be configured in the range of 1-9
- High quality image with 5MP, 1/2.7" CMOS sensor
- 5MP (2880x1620)@30/25fps, 4MP (2560x1440)@30/25fps, 3MP (2304x1296)@30/25fps; 2MP (1920x1080)@30/25fps
- Ultra 265, H.265, H.264, MJPEG**
- 120dB true WDR technology enables clear image in strong light scene
- Built-In Mic
- Smart IR, up to 66ft (20m) IR distance
- Up to 256GB Micro SD card
- IK10 vandal resistant
- IP67 protection
- Support PoE power supply IEEE802.3af

***NDAA Compliant** - Camera uses MSTAR chipset made in Taiwan. Housing and final assembly made in China. Connectivity software & cloud design developed in the USA.

**IPTECHVIEW cloud recording uses H.264

Specifications

| | | | |
|--------------------------------|--|---------------------|--|
| Camera | | U1-TRT-5PAN0 | |
| Sensor | 1/2.7", progressive scan, 5.0 megapixel, CMOS | | |
| Minimum Illumination | Color: 0.01 Lux (F1.2, AGC ON) 0 Lux with IR | | |
| Day/Night | IR-cut filter with auto-switch (ICR) | | |
| Shutter | Auto/Manual, 1~1/100000 s | | |
| Adjustment Angle | Pan: 0° ~ 360° Tilt: 0-75° Rotate: 0-360° | | |
| WDR | 120dB | | |
| S/N | >56dB | | |
| Lens | | | |
| Lens | 1.68mm@F1.2 | | |
| Iris | Fixed | | |
| Field of View (H) | 180° | | |
| Field of View (V) | 100° | | |
| Field of View (D) | 180° | | |
| DORI | | | |
| DORI Distance | Lens (mm) Detect (ft) Observe (ft) Recognize (ft) Identify (ft) | | |
| | 1.68 124 49.6 24.8 12.4 | | |
| Illuminator | | | |
| IR Range | Up to 20m (66 ft) IR range | | |
| Wavelength | 850nm | | |
| IR 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: 5MP (2880*1620), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; | | |
| U-Code | Supported | | |
| Video Bit Rate | 128 Kbps~10 Mbps | | |
| OSD | Up to 8 OSDs | | |
| Privacy Mask | Up to 4 areas | | |
| ROI | Up to 8 areas | | |
| Video Stream | Triple streams | | |
| Image | | | |
| White Balance | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2 | | |
| Digital Noise Reduction | 2D/3D DNR | | |
| Smart IR | Supported | | |
| Flip | Normal/Flip Vertical/Flip Horizontal/180° | | |
| Dewarping | Supported | | |
| HLC, BLC, & Defog | Supported | | |
| Intelligent | | | |
| Smart Intrusion Prevention | Support false alarm filtering: Cross line detection, Intrusion detection, Enter Area detection, Leave Area detection | | |
| Storage | | | |
| Edge Storage | Micro SD, up to 256GB | | |
| Network Storage | ANR, NAS (NFS) | | |
| Events | | | |
| Basic Detection | Motion detection, Ultra motion detection, Tampering alarm, Audio detection | | |
| General Function | Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication | | |
| Audio | | | |
| Audio Compression & Bitrate | G.711U, G.71A, 64Kbps | | |
| Two-way audio | N/A | | |
| Suppression | Supported | | |
| Sampling Rate | 8KHz | | |
| Network | | | |
| Protocols | IPv4, IPv6, IGMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS | | |
| Compatible Integration | IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK | | |
| Edge Storage Network User/Host | Micro SD, up to 256GB. 128GB micro SD included 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, EZView, EZLive | | |
| Web Browser | 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 | N/A | | |
| Alarm I/O | N/A | | |
| Serial port | 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, EN61000-3-3, EN IEC 61000-3-2, EN 55035) FCC (FCC 47 CFR part 15B) | | |
| Safety | CE LVD (EN 62368-1) 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) | | |
| General | | | |
| Power | DC12V ± 25%, PoE (IEEE 802.3af) | | |
| Power consumption | Max 5.5 W | | |
| Power Interface | Ø 5.5mm coaxial power plug | | |
| Dimensions (Ø x H) | Φ 111 x 93mm (Φ 4.4" x 3.7") | | |
| Net Weight | 0.48kg (1.06 lb) | | |
| Material | Metal | | |
| Operating Conditions | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) | | |
| Storage Conditions | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) | | |
| Surge Protection | 4KV | | |
| Reset Button | Supported | | |

Accessories

