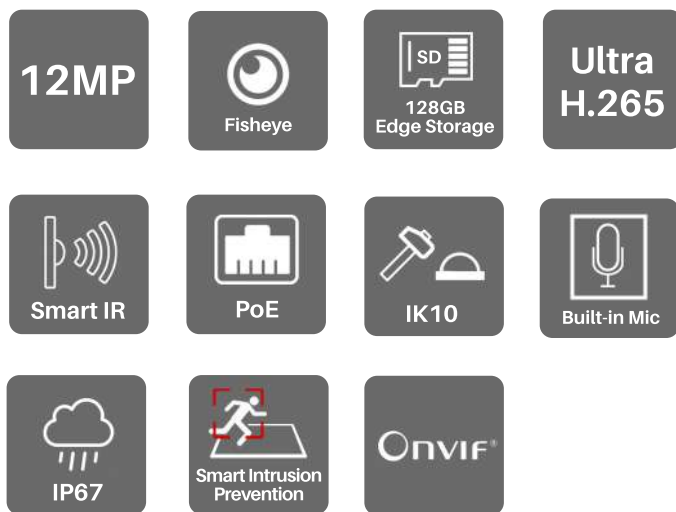


IPTECHVIEW Universal Camera [U1-HEM-12F14]

12MP HD IR 360°Fisheye Fixed Dome Cloud Camera

IPTECHVIEW's U1-HEM-12F14 features 360° view with high quality lens ensuring image quality. The camera's progressive CMOS sensor provides 12MP @ 30 fps and has built-in support for Ultra 265, H.265 and H.264** - all of which significantly reduce bandwidth and storage requirements effectively lowering your infrastructure costs while providing an affordable high-resolution surveillance system. The camera includes Smart IR, up to 49ft IR distance and a 128GB SD memory card. The camera is made with an impact, vandal, dust resistant IK10, UV-stabilized IP67-rated metal and plastic casing.



- Easy Plug and Play and Cloud Management
 - No fixed IP or port forwarding need
 - Full access to GUI through IPTECHVIEW
 - Rich monitoring & alerting rules
- High quality image with 1/1.7" CMOS sensor
- 12MP (4000x3000) @20fps
- Ultra 265, H.265, H.264, MJPEG**
- Ultra-wide angle lens, 360° panoramic image
- Embedded infrared light, 360° fill-in light, up to 15m (49ft) IR distance
- Up to 256GB Micro SD card

- Built-in 2 Mics & speaker, two-way talk supported
- Multiple decoding modes, supports software and hardware modes, provides interactive dynamic view
- Heat map, based on deep learning algorithms, the date of moving objects is counted in real time on an intuitive color map
- Alarm:1 in/1 out, Audio: 1 in/1 out
- IK10 vandal resistant and IP67 protection
- PoE support

*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	IPT-U1HEM-12F14
Sensor	1/1.7", progressive scan, 12 megapixel, CMOS
Lens	1.8mm@F2.0
Angle of View	360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.03 Lux (F2.0, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto switch
S/N	>52dB
IR Range	Up to 15m (49 ft) IR range
Wavelength	850nm
Shutter	Auto/Manual, shutter time: 1 ~ 1/100000s
IR On/Off Control	Auto/Manual
WDR	DWDR

DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	1.8	43.8	17.5	8.8	4.4

Audio	
Audio Compression	G.711U, G.711A, G.711 64Kbps, 8KHz, suppression
Audio Bitrate	64 Kbps
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8Khz
Audio I/O	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
Built-in Mic	Two mics
Built-in Speakers	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™
Edge Storage Network	ONVIF (Profile S, Profile G, Profile T), API, SDK Micro SD, up to 256GB. 128GB micro SD included ANR, NAS(NFS)
User/Host	Up to 32 users. 2 user levels: administrator and common user and operator
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+
Interface	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet
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

Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG**
H.264 code profile	Baseline profile, Main profile, High profile
Mainstream	Fisheye View: 12MP (4000x3000)@20fps; 3000x3000@20fps; 2560x2560 @25fps Panorama View: 12MP (4000x3000)@20fps; 3000x2000@20/25fps; 3000x1500 @20/25fps PTZ View: 1920x1080 @20/25fps
Sub Stream	Fisheye View: 2000x1500 @20/25fps; 2000x 2000 @25fps
Third Stream	Fisheye view: D1(720x576)@20/25fps; CIF352x288) @20/25fps;
U-Code	Supported
Video Bitrate	128 Kbps~ 16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple stream
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	N/A
BLC	Supported
Defog	Digital Defog

Intelligent	
Smart Intrusion Prevention	Cross Line detection, Intrusion detection
Statistical Analysis	Heat map (working with management platform)
Basic Detection	Motion detection, Audio detection, Tampering alarm
General Function	Watermark, IP address, Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 12 W
Casing	IP67 Vandal-resistant IK10. Metal + Plastic
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)
Dimensions	Φ125 x 43.7 mm (Φ4.9" x 1.7")
Net Weight	0.36kg (0.79lb)
Approvals	FCC CFR 47 Part 15 EN 55032:2015; 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 part15 B, ANSI C63.4-2014) CE LVD (EN 62368-1:2014+A11:2017), CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01) CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

Accessories

