

IPTECHVIEW Universal Camera

[U1-PTZ-25-90]

4MP + 4MP HD Dual Lens PTZ Cloud Camera



IPTECHVIEW U1-PTZ-25-90 features dual channels (over one IP) and 25X Optical Zoom. This high-quality camera with 4MP sensor @ 30fps, 1/2.7" CMOS sensor, lenses 4mm@F1.6, 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 outdoor use case-rated IP66 ingress protection.



Compatible with IPTECHVIEW and any VMS that supports



- Easy Plug and Play and Cloud Management
 - > No fixed IP or port forwarding needed
 - > Full access to GUI through IPTECHVIEW
 - > Rich monitoring & alerting rules
- 2688 x 1520 @ 30fps in the main stream
- Lens options: 4mm@F1.6
- Ultra 265, H.265, H.264, MJPEG**
- People Counting, support people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- PTZ channel can be linked to a fixed channel
- LightHunter technology ensures ultra-high image quality in low illumination environment
- 25x Optical Zoom
- Supports sound and light warning, ,makes warning and alarming more noticeable
- Smart IR, up to 328 ft (100 m) IR distance
- DC12V±25% or PoE+ (IEEE 802.3at)
- Alarm 2 in and 1 out, Audio 1 in and 1 out
- IP66 ingress protection

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

**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-PTZ-25-90	
Sensor	Panorama 1/2.7", 4.0 megapixel, CMOS	Detail 1/2.7", 4.0 megapixel, CMOS
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR	0.003 Lux (F1.5, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)	
Shutter	Auto/Manual, 1~1/100000 s	
WDR	120dB	
S/N	>56dB	

Lens	Panorama	Detail
Lens	4 mm@F1.6	4.8 ~ 120mm@F1.5, AF automatic focusing and motorized zoom lens
Optical Zoom	N/A	25
Iris	Fixed aperture; F1.6	Auto; F1.5W ~ F3.8T
Field of View (H)	91.3°	55.46° ~ 3.09°
Field of View (V)	46.7°	32.94° ~ 1.73°
Field of View (D)	112.3°	68.22° ~ 3.65°

DORI					
DORI Distance	Lens (mm)	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
	4	295.3	118.1	59.1	29.5
	4.8 ~ 120	406ft~8120.1	162.4ft~3248	81.2ft~1624	40.6ft~812.0

Illuminator	Panorama	Detail
IR Range	Up to 98.4 ft	328 ft
Wavelength	850nm	
IR On/Off Control	Auto/Manual	

Video	Panorama	Detail
Video Compression	Ultra 265, H.265, H.264, MJPEG	4MP (2688x1520), 30fps
Frame Rate	Main Stream: 4MP (2688x1520), 30fps Sub Stream: 2MP (1920x1080), 30fps Third Stream: D1 (720x576), 30fps;	720P (1280x720), 30fps D1 (720x576), 30fps
Video Bit Rate	128 Kbps ~ 16 Mbps	
U-code	Supported	
OSD	Up to 8 OSDs	
Privacy Mask	Up to 4 areas per scene	
ROI	Up to 8 areas	
Video Stream	Triple streams	

Image	
White Balance	Auto/Outdoor/Fine Tune/Solution Lamp/Locked/Auto2
Smart IR	Supported
Digital Noise Reduction	2D/3D DNR
Flip	Normal/Flip Vertical/Flip Horizontal/180°
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog
Heatwave Reduction	Supported

Intelligence	
Smart intrusion prevention	Support false alarm filtering: Cross line detection, Intrusion detection, Enter Area detection, Leave Area detection
People Counting	Support people flow counting and crowd density monitoring
Face Capture	Face attributes: Gender, Age Range, Glasses, Mask

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: 2012)
Safety	CE LVD (EN 62368-1:2014+A11:2017) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment Protection	CE-RoHS (2011/65/EU; (EU)2015/863) IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)

Events	Panorama	Detail
Basic Detection	Motion detection, audio detection, tampering alarm	
Auto Tracking	N/A	Support, target filter: vehicle, human body
General Detection	ARP Protection, RTSP Authentication, User Authentication	

Audio	
Audio Compression	G.711
Audio Bitrate	128 Kbps
Two-way Audio	Supported
Suppression	Supported
Sampling Rate	16 KHZ

Network	
Protocols	SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	TLS1.3, 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,











Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)

Pan & Tilt	Panorama	Detail
Pan Range	N/A	360° (endless)
Pan Speed	N/A	0.1%/s ~ 80%/s
Tilt Range	18° + 5°	-15° ~ 90°
Tilt Speed	N/A	0.1%/s ~ 80%/s
Number of presets	1024	
Preset Patrol	16 patrols, up to 64 presets for each patrol	
Route Patrol	16 patrols, up to 32 actions for each patrol	
Recorded Patrol	16 patrols, up to 128 actions for each patrol	
Patrol Stay Time	15s ~ 1800s	
Preset Image Freeze	N/A	
Home Position	Supported	

Interface	
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	1 x RS485
Built-in Mic	N/A
Built-in Speaker	Supported
WiFi	N/A
Network	1 x RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

General	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC / 24 VDC / PoE (802.3af)
Power Consumption	Max 12W
Working Temperature and Humidity	-40°C to 60°C (-40°F to 140°F), Less than 90% RH
Certifications	CE-EMC: EN 55032, EN IEC 61000-6-3, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4, FCC 47 CFR Part 15 Subpart B
Ingress Protection	IP66
Material	Metal
Dimensions	11.93 x 3.74 x 4.21 inch
Net Weight	2.98 lb

Accessories

 U1-ACC-BP-JB05-B Junction Box	 U1-ACC-PT-WE45-A-IN PTZ Dome Wall Mount	 U1-ACC-PT-UP08-B-IN PTZ 3-Ring Pole Mount Adapter	 U1-ACC-D/H/T/PT-SE24 PTZ Dome Pendant Mount (200mm)	 U1-ACC-PT-CE45-IN Dome Pendant Mount
 U1-ACC-PT-JB12 Junction Box	 U1-ACC-PT-WE45-B-IN PTZ Dome Gooseneck Bracket	 U1-ACC-PT-UC08-B-IN PTZ Dome Corner Mount	 U1-ACC-D/H/T/PT-SE24-A PTZ Dome Pendant Mount (500mm)	 U1-ACC-PT-UF45-A-IN PTZ Dome Indoor Pendant Mount