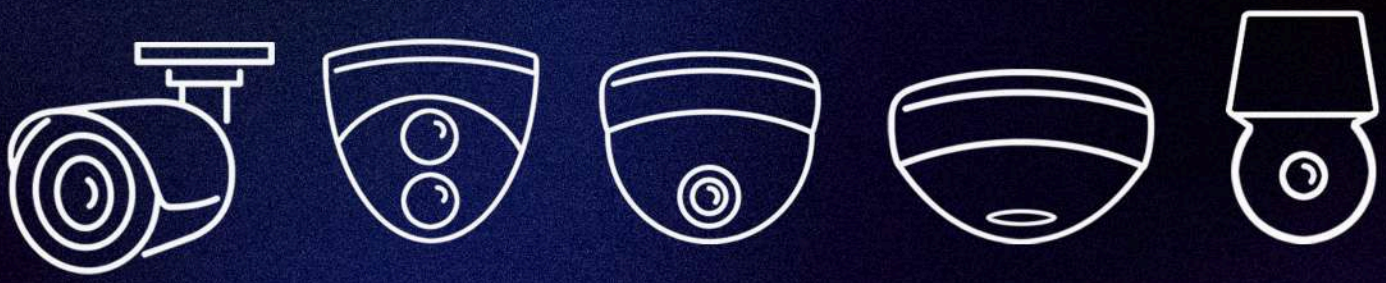
IPTECHVIEW™

UNIVERSAL Cameras

IPTECHVIEW's Cloud Direct AI Camera Line



Bullet | Turret | Dome | Hemispheric | PTZ

IPTECHVIEW, Inc | +1 972-220-1110 #3 | sales@iptechview.com | www.iptechview.com

IPTECHVIEW™ UNIVERSAL Cameras

Universal Cameras were built around one obsession: what do customers and installers actually need? The answer: true value, simpler installations, quality that lasts, and protection of everyone's most valuable asset - Time.

In surveillance, complexity is the silent killer. Hours selecting cameras from hundreds of SKUs. Lengthy camera configuration, missing features discovered mid-installation. Cameras that need IT to configure and a VPN router to reach remotely. Every friction point is time that doesn't bill, erodes your margin, and customer confidence.

COMPLETE. Audio, infrared, 128GB edge storage, and AI detection for humans, faces, and vehicles — standard on every unit. Everything included. No extra SKUs for things every install actually needs.

FAST. Auto-configuration via the IPTECHVIEW cloud eliminates port forwarding, or need for static IPs, and IT calls. Cameras connect and go. We call it IPTECHVIEW Plug and View™.

TRUSTED. NDAA-compliant hardware based on a Taiwanese chipset. Custom US-developed firmware managing connectivity, network security, AI optimization, and cloud-based updates. Designed for a 5+ year service life.

FOCUSED. Fixed bullets, turrets, varifocal domes, 360° fisheye, thermal, and dual-lens PTZ — every scenario covered. Every camera is rated for indoor and outdoor. One catalog. One decision.

These cameras aren't a compromise. They're made to save time & money while you efficiently build unique video AI solutions that make the world a safer and smarter place.

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IPTECHVIEW™ UNIVERSAL Cameras Index

KEY — Fixed Lens | Active Deterrent | Varifocal | PTZ (Pan -Tilt - Zoom)



Bullet

- **U1-BLT-5F28** — 2.8mm · 96° wide angle
- **U1-BLT-5F40** — 4mm · 79° medium angle · IR 131ft
- **U1-BLT-5F28-AD** — 2.8mm · Light + Audio Alarm
- **U1-BLT-VF** — 2.7-13.5mm motorized · Smart Intrusion Prevention



Turret

- **U1-TRT-5F28** — 2.8mm · 96° fixed
- **U1-TRT-5F28-AD** — 2.8mm · light + audio alarm
- **U1-TRT-PANO** — Panoramic wide · people counting



Dome

- **U1-DOM-5F28** — Panoramic wide · people counting
- **U1-DOM-VF** — 2.7-13.5mm motorized · relay + dry contact



Hemispheric

- **U1-HEM-5F14** — 1.4mm · 360° full panoramic · people counting



PTZ

- **U1-PTZ-25X** — 25x optical · 360° endless pan · IR 328ft
- **U1-PTZ-25-90** — Dual lens: 4mm fixed + 25x PTZ · dual channel over one IP

ALL CAMERAS INCLUDE:

- Built-in Audio
- IR Night Vision
- 128GB Edge Storage
- AI Human Detection
- NDAA Compliant
- AI Vehicle Detection
- IPTECHVIEW Pllug & View™
- 5+ Year Design Life
- Cloud Firmware Updates

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IPTECHVIEW Universal Camera

[U1-BLT-5F28/40]

5MP HD IR Fixed Bullet Cloud Camera



Bullet cameras are one of the mainstays of any surveillance system. IPTECHVIEW's long-range DF28 & DF40 bullet video cameras feature day & night functionality and True WDR which ensures ultra-high image quality in low illumination / high contrast environments. Both the DF28 & DF40 pack a 5 MP sensor @ 30fps and have 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 131ft IR distance and a 128GB SD memory card. The camera is made with an impact, dust-resistant, UV-stabilized IP67-rated plastic and metal casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

- 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 1/2.7" CMOS sensor
- 5MP (2880x1620) @30/25fps
- 120dB true WDR technology
- LightHunter technology for ultra-high image quality in low illumination environment
- Ultra 265, H.265, H.264, MJPEG**
- Supports 9:16 Corridor Mode
- Built-In Mic
- Smart IR, up to 131ft
- Up to 256GB Micro SD card
- IP67 protection
- PoE support

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-BLT-5F28 / U1-BLT-5F40
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Lens	2.8mm@F1.6 / 4.0mm@F1.6
Angle of View	96.1° x 55.3° x 111.1° / 78.7°x44.9°x111.1°
Adjustment Angle	Pan: 3° ~ 360° Tilt: 0° ~ 68° Rotate: 3° ~ 360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>56dB
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Audio Compression &	G.711 64Kbps, 8KHz, suppression
Sampling Rate	Supported
Built-in Mic	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)

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 (2888x1620), 4MP (2560x1440);3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

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°
HLC	Supported
BLC	Supported

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 8.5 W
Casing	IP67 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)
Approvals	CE: EN60950-1 UL: UL60950-1 FCC: FCC Part 15
Dimensions	Φ 108.7 x 81.1 mm (Φ4.3" x 3.2
Net Weight	0.425kg (0.93lb)

Accessories



U1-ACC-B-JB05-A
Bullet Camera Junction Box



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint



U1-ACC-B-POLE06-B
Bullet Pole Mount Adapter



U1-ACC-B/D/T-POLE06-C
Pole Mount Adapter



U1-ACC-D/B-UC08-C
Corner Mount

IPTECHVIEW™

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IPTECHVIEW Universal Camera

[U1-BLT-5F28-AD]

5MP HD Intelligent Light and Audible Warning Fixed Bullet Cloud Camera



Bullet cameras are one of the mainstays of any surveillance system. The IPTECHVIEW's long-range DF28 bullet video camera feature day & night functionality and True WDR which ensures ultra-high image quality in low illumination/higcontrast environments. It has a 5 MP sensor @ 30fps 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 98ft IR distance and a 128GB SD memory card. The camera is made with an impact, dust-resistant, UV-stabilized IP67-rated plastic and metal casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF® GST

IPTECHVIEW™ READY

NDAA Compliant

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > 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
- Supports sound and light alarm linkage. When smart intrusion prevention is triggered, the camera links sound alarm and light linkage
- High quality image with 1/2.7" CMOS sensor
- 5MP (2880x1620) @30/25fps
- 120dB true WDR technology
- LightHunter technology for ultra-high image quality in low illumination environment
- Ultra 265, H.265, H.264, MJPEG**
- Supports 9:16 Corridor Mode
- Built-In Mic and speaker
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- IP67 protection
- PoE support

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-BLT-5F28-AD
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Lens	2.8mm@F1.6
Angle of View	112.9° x 59.1° x 121.2°
Adjustment Angle	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotate: 0° ~ 360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>56dB
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Audio Compression &	G.711 64Kbps, 8KHz, suppression
Sampling Rate	Supported
Built-in Mic	Supported
Two-Way Audio	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)

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 (2888x1620), 4MP (2560x1440);3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

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°
HLC	Supported
BLC	Supported
Defog	Digital Defog

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 8.5 W
Casing	IP67 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)
Approvals	CE: EN60950-1 UL: UL60950-1 FCC (FCC CFR 47 part 15B, ANSI C63, 4-2014)
Dimensions	Φ 108.7 x 81.1 mm (Φ4.3" x 3.2
Net Weight	0.425kg (0.93lb)

Accessories



U1-ACC-BP-JB05-B
Bullet Camera Junction Box



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint



U1-ACC-B/D/T-POLE06-C
Pole Mount Adapter



U1-ACC-D/B-UC08-C
Corner Mount

IPTECHVIEW™

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IPTECHVIEW Universal Camera

[U1-BLT-VF]

5MP HD IR Varifocal Bullet Cloud Camera



Bullet cameras are one of the mainstays or any surveillance system. The IPTECHVIEW's long-range Varifocal bullet video 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.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

- 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 1/2.7" CMOS sensor
- 5MP (2880 x 1620) @30/25fps
- Ultra 265, H.265, H.264, MJPEG**
- Motorized VariFocal 2.7–13.5mm
- 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
- Intelligent People Flow Counting and Crowd Density Monitoring
- LightHunter technology ensure ultra-high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Supports 9:16 Corridor Mode
- Alarm: 1 in / 1 out, Audio: 1 in / 1 out
- Smart IR, up to 164ft (50m) IR distance
- Up to 256GB Micro SD card
- IK10 vandal resistant and IP67 protection
- Supports PoE power supply IEEE802.3af

Specifications

Camera	U1-BLT-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, 1~1/100000 s
Adjustment Angle	Pan: 0° ~ 360°
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 50m (164 ft) IR Range
Wavelength	850mm
IR On/Off Control	Auto/Manual

Video

Video Compression	Ultra 265, H.265, H.264, MJPEG
H264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 5MP (2880x1620) Max 30fps; 4MP (2560x1440), Max 30fps; 3MP (2304x1296), Max 30fps; 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; D1 (720x576), Max 30fps; 640x360, Max 30fps' Third Stream: D1 (720 x 576), Max 30fps; DIF (352x288), 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

Image

White Balance	Auto Outdoor/Fine Tune/Solution Lamp/Locked/Auto2
Smart IR	Supported
Flip	Normal/Vertical/Horizontal/180°/90° Clockwise/ 90° Counter-Clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog

Intelligence

Smart intrusion prevention	Support false alarm filtering: Cross line detection, Intrusion enter/leave area detection
Statistical Analysis	People counting, support people flow counting and crowd density monitoring

Events

Basic Detection	People/vehicle detection, motion detection, ultra motion detection, tampering alarm, audio detection
General Detetion	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP Protection, RTSP Authentication, user

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 256GB
Network Storage	ANR, NAS (NFS)

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDFP, DHCP, PPoE, RTP RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 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 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	Input: impedance 35kΩ, amplitude 2V [p-p] Output: impedance 600Ω, amplitude 2V [p-p]
Alarm I/O	44927
RS485	N/A
Built-in Mic	N/A
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 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed, Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU; (EU) 2015/863); WEEE (2012/19/EU); Reach
Protection	IP67 (IEC 60529:1989+AMDI: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)	Φ148 x 111.4mm (Ø5.8" x 4.4")
Weight	0.92kg (2.0lb)
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 Protecion	6KV
Reset Button	N/A

Accessories



U1-ACC-BV-JB07-D
Bullet Junction Box



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint



U1-ACC-B-POLE06-B
Bullet Pole Mount Adapter



U1-ACC-B/D/T-POLE06-C
Pole Mount Adapter



U1-ACC-D/B-UC08-C
Corner Mount

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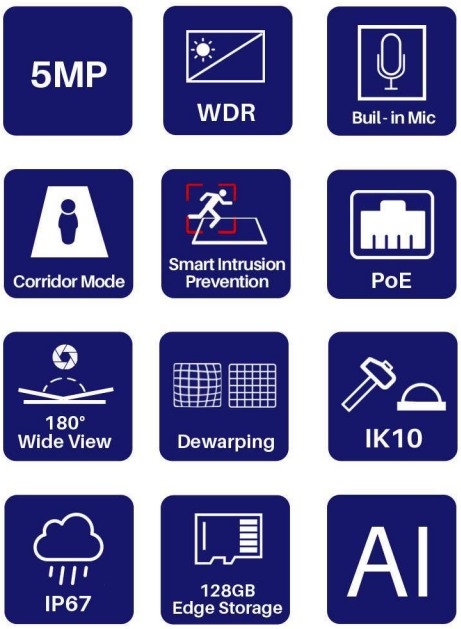
IPTECHVIEW Universal Camera

[U1-BLT-5PANO]

5MP HD IR Bullet Panoramic Cloud Camera



The U1-Bullet-5MP-DF16 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 a dust-resistant metal case rated IP67 ingress protection.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF® | GST

IPTECHVIEW™ READY Pre-configured device

NDAA Compliant

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > 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 1/2.7" CMOS sensor
- 5MP (2880 x 1620) @30/25fps
- 120dB true W DR technology enables clear image in strong light scene
- Ultra 265, H.265, H.264, MJPEG**
- Supports 9:16 Corridor Mode
- Built-In Mic
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- IP67 protection
- DC12V or PoE (IEEE 802.3af) power supply
- 3 axis

Specifications

Camera — U1-BLT-5PANO

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: 0-90° 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 (2888x1620), 4MP (2560x1440); 3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 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
Smart IR	Supported
Flip	Normal/Flip Vertical/Flip Horizontal/180°/ 90° Clockwise/90° Counter Clockwise
HLC	Supported
BLC	Supported
Defog	Digital Defog

Intelligence

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 adddress filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication

Audio

Audio Compression & Bitrate	G.711, 64Kbps
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8KHz, suppression

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS, RTMP, SL/TLS, SSH
Compatible Integration	IPTECHVIEW-Ready™,ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
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 ONVIF
Client	EZStation, EZView, EZLive
Web Browser	Plug-in required for live view: IE10 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 Speaker	Supported
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) CB (IEC 62368-1: 2014) UL (UL 62368-1, 2nd Ed., Issue Date 2014-12-01)
Environment	CE-RoHS (2011/650EU; (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 7.0 W
Power Interface	Φ 5.5mm coaixial power plug
Dimensions (L x W x H)	198x71x71mm (7.8" x 2.8" x 2.8")
Net Weight	0.42kg (0.93lb)
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



U1-ACC-BP-JB05-B
Bullet Camera Junction Box



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint



U1-ACC-B/D/T-POLE06-C
Pole Mount Adapter



U1-ACC-D/B-UC08-C
Corner Mount

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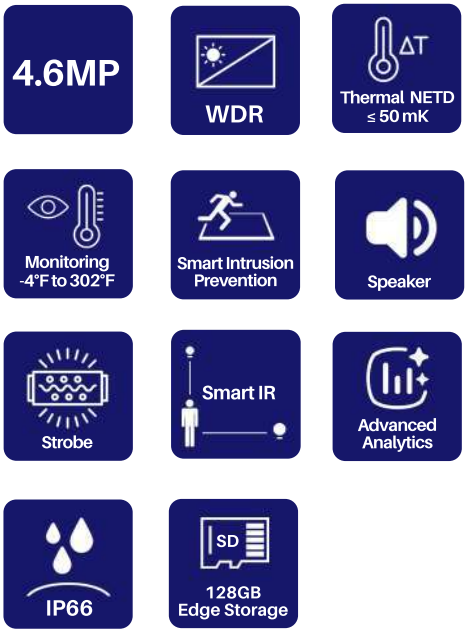
IPTECHVIEW Universal Camera

[S1-BLT-F7-THERMAL]

Bi-Spectrum Thermal/Optical HD IR Intelligent Bullet Cloud Camera



IPTECHVIEW S1-BLT-F7-Thermal camera features a 7mm thermal lens, and 8mm optical lens 4.6MP CMOS sensor for crisp video up to 25fps. With smart IR up to 150ft, built-in alarms (speaker + strobe), on-edge recording, advanced analytics (intrusion, people counting, wrong-way, loitering), and precise temperature monitoring from -4°F to 302°F, this IP66-rated camera is built for reliable performance in demanding security environments.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > Full access to GUI through IPTECHVIEW
  - > Rich monitoring & alerting rules
- 256 x 192 resolution, 12µm, VOx UFPA, NETD ≤ 50 mK
- Lens options: Thermal 7mm fixed; visible 8mm fixed
- Detection Capabilities: Human/vehicle, smoking, smoke & flame, fire point detection
- Intelligent Analytics: intrusion, single/double line crossing, loitering, wrong-way, people counting, enter/leave area detection, smart motion detection
- Intelligent people flow counting and crowd density monitoring
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature Monitoring & Alarm: -4°F to 302°F, Accuracy: ±2°C / ±2%
- Built-in speaker and strobe light
- Supports sound-light alarm
- Up to 512GB Micro SD card
- Smart IR range up to 164 feet
- Supports I/O alarm, RS485, built-in SD card slot
- Power supply: 12 VDC/24 VDC, PoE

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

Specifications

Camera	S1-BLT-F7-THERMAL	
Image Sensor	Thermal: Vanadium Oxide Uncooled Focal Plane Arrays Visibile: 1/2.7" CMOS	
Resolution	Thermal: 256(H) x 192(V), scalable up to 704 x 576 Visible: 2880(H) x 1620(V)	
Pixel Pitch	12μm	
Spectral Range	8 to 14μm	
NETD	≤ 50mK	
Minimum Illumination	Visible: Color: 0.05Lux (F1.6, AGC ON), B/W: 0.005Lux (F1.6, AGC ON), 0Lux with IR	
Shutter Speed	Visible: 1/5 to 1/20,000s	
Lens Type	Thermal: Fixed lens	Visible: Fixed lens
Focal Length	Thermal: 7mm	Visible: 8mm
Max. Aperature	Thermal: F1.0	Visible: F2.0
Focus Control	Thermal: Fixed focal	Visible: Fixed local
Field of View (FOV)	Thermal: 7 mm H: 24°, V: 18°	Visible: 8 mm H: 40°, V: 20°

IVS		
AI Multi-Target	Thermal: Intrusion, Single Line Crossing, Double Line Crossing, Loitering, Wrong-Way Detection, Enter Area, Leave Area, Smart Motion Detection; Supports alarm triggering by specified target types (human and vehicle) Visible: Intrusion, Single Line Crossing, Double Line Crossing, Loitering, Wrong-Way Detection, Enter Area, Leave Area, Smart Motion Detection; Supports alarm triggering by specified target types (human and vehicle)	
Smoking Detection	Thermal: Support	Visible: Support
Smoke and Flame Detection	Thermal: Support	Visible: Support
Fire Spot Detection	Thermal: Support	Visible: Support
People Counting	Thermal: Support	Visible: Support

Video		
Video Main Stream	Thermal: D1 (704x576) @25/30fps Visible: 2880x1620, 2560x1440, 2304x1296, 1920x1080, 1280x720 @25fps	
Video Sub Stream	Thermal: D1, CIF, 256x192 @25/30fps Visible: D1, VGA @25fps	
Bit Rate Control	Thermal: CBR/VBR	Visible: CBR/VBR
Bit Rate	Thermal: Main Stream: 100Kbps to 3Mbps; Sub Stream: 6Kbps to 1Mbps Visible: Main Stream: 100Kbps to 12Mbps; Sub Stream: 10Kbps to 6 Mbps	
Smart Encode	Thermal: Support	Visible: Support
Audio Compression	Thermal: G.711 A-law, G.711 ¬μ-law, RAM PCM Visible: G.711 A-law, G.711 ¬μ-law, RAM PCM	

Image		
Image Setting	Thermal: Brightness, Contrast, Sharpness Visible: Brightness, Saturation, Contrast, Sharpness	
Mirror	Thermal: Horizontal / Vertical / Horizontal+Vertical Visible: Horizontal / Vertical / Horizontal+Vertical	
Pseudo-color Setting	Thermal: Up to 17 colors (White-hot / Black-hot / Rainbow / Iron red / HSV / Bone / Cool / Copper / Fire-hot / Pink / Spring / Summer / Autumn / Winter / Jet / Flame / Rose-Bengal)	
FFC Control	Thermal: Auto / Manual	Visible: Auto / Manual
Gain Control	Thermal: Auto / Manual	Visible: Auto / Manual
White Balance	Visible: Auto / Tungsten / Fluorescent / Daylight / Shadow	
Day / Night	Thermal: Day/Night mode Visible: Day mode / Night mode / Time	
Noise Reduction	Thermal: 2D/3D DNR	Visible: 2D/3D DNR
Image Enhancement	Thermal: WDR, HLC, BLC	Visible: WDR, HLC, BLC
Wide Dynamic Range	Visible: True WDR 120dB	
OSD	Thermal: Up to 8 OSD	Visible: Up to 8 OSD
Privacy Masking	Thermal: Up to 4 areas	Visible: Up to 4 areas
Illuminator	Visible: IR Range: 164.04 ft	

Thermal Function	
Temperature Range	4°F to 302°F
Accuracy	±2°C / ±2%
Temperature Detection	3 temperature measurement rule types, 20 rules total, 1 full screen,19 others (spot, areas, line)
Temperature Display	Display in lower left corner; follow cursor display of highest, lowest or average temperature
Image Fusion	Fusion view of thermal view and overlaid details of optical channel

Events	
Alarm Triggers	IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection
Event Actions	Alarm out, Alarm record, SMTP, FTP upload, Flashing light alarm, Audible alarm output

Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/RTP/RTCP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, 802.1x, SNMP, Multicast
Compatible Integration	ONVIF (Profile S/T/G/M), CGI, SDK
Max Concurrent Streams	10 Channels
User/Host Level	32+ users; 3 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Built-in Speaker	Support
Alarm Interface	2ch input, 2ch output
RS-485	1
SD Card Slot	Support Micro SD card, up to 512 GB
Reset Button	Support

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



S1-ACC-TH-CBK645
Junction Box



S1-ACC-TH-CBK101A
Pole Mount Bracket



S1-ACC-TH-CBK102A
Pole Mount Adapter



S1-ACC-TH-627D
Pole Mount Bracket

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IPTECHVIEW Universal Camera

[U1-TRT-5F28]

5MP HD IR Turret Cloud Fixed Camera



What do you get when you combine the best features of a bullet camera with the advantages of a dome camera and put it all in a smaller, more discreet form factor? You get the IPTECHVIEW Turret camera. IPTECHVIEW's 5 MP variable focal length turret camera features a 1/2.7 inch progressive CMOS sensor and provides 5 MP @ 30 fps. It 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 98ft IR distance and a 128GB SD memory card. The camera is made with a dust-resistant, UV-stabilized IP67-rated metal casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW™ READY

NDAA Compliant

- 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 1/2.7" CMOS sensor
- LightHunter technology ensures ultra-high image quality in low-light environments
- 5MP (2880×1620) @30/25fps
- Video compression: Ultra 265, H.265, H.264, MJPEG**
- 120dB true WDR technology
- Supports 9:16 Corridor Mode
- Smart IR up to 98 ft (30 m)
- Supports up to 256GB Micro SD card.
- Built-in Mic
- IP67-rated weather protection

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-TRT-5F28
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Lens	2.8mm@F1.6
Angle of View	96.1° x 55.3° x 111.1°
Adjustment Angle	Pan: 3° ~ 360° Tilt: 0° ~ 68° Rotate: 3° ~ 360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>56dB
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Audio Compression	G.711 64Kbps, 8KHz, suppression
Sampling Rate	Supported
Built-in Mic	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)

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 (2888x1620), 4MP (2560x1440); 3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

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°
HLC	Supported
BLC	Supported

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 4.0 W
Casing	IP67 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)
Approvals	CE: EN60950-1 UL: UL60950-1 FCC: FCC Part 15
Dimensions	Φ110.5 x 94.1 mm (Φ4.4" x 3.7")
Net Weight	0.425kg (0.93lb)

Accessories



U1-ACC-D/T-JB03G
Fixed Dome Outdoor
Wall Mount



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof
Joint



U1-ACC-D/T-UM06
Fixed Turret Indoor
Incline Mount

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-D/T-WM03
Fixed Dome Indoor
Wall Mount



U1-ACC-D/T-JB07/WM03
Fixed Dome Outdoor
Wall Mount



U1-ACC–B/D/T-POLE06-C
Pole Mount Adapter

U1-ACC-D/H/T/PT-SE24
Pendant Mount

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IPTECHVIEW Universal Camera

[U1-TRT-5F28-AD]

5MP HD IR and Audible Warning Turret Fixed Eyeball Cloud Camera



What do you get when you combine the best features of a bullet camera with the advantages of a dome camera and put it all in a smaller, more discreet form factor? You get the IPTECHVIEW Turret AD camera. IPTECHVIEW's 5 MP fixed focal length turret camera features a 1/2.7 inch progressive CMOS sensor and provides 5 MP @ 30 fps. It 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 98ft IR distance and a 128GB SD memory card. The camera is made with a dust-resistant, UV-stabilized IP67-rated metal casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

- 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 1/2.7” CMOS sensor
- LightHunter technology ensures ultra-high image quality in low-light environments
- 5MP (2880×1620) @30/25fps
- Video compression: Ultra 265, H.265, H.264, MJPEG**
- 120dB true WDR technology
- Supports 9:16 Corridor Mode
- Smart IR up to 98 ft (30 m)
- Up to 256GB Micro SD card
- Supports PoE power supply
- Smart intrusion prevention: cross line, intrusion, enter area, and leave area detection
- Basec on target classification smart intrusion prevention significantly reduces false alarm caused by leaves, birds, and lights, etc. accurately focus on human and vehicle, and non-motor vehicle.
- Supports sound and light alarm linkage (audio-visual alarm) When intrusion prevention is triggered, the camera links sound alarm and light linkage.
- Intelligent People Flow Counting and Crowd Density Monitoring
- IP67protection

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-TRT-5F28-AD
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Lens	2.8mm@F1.6
Angle of View	96.1° x 55.3° x 111.1°
Adjustment Angle	Pan: 3° ~ 360° Tilt: 0° ~ 80° Rotate: 0° ~ 360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>56dB
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Compression &	G.711 64Kbps, 8KHz, suppression
Sampling Rate	Supported
Built-in Mic	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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

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 (2888x1620), 4MP (2560x1440); 3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

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°
HLC	Supported
BLC	Supported
Defog	Digital Defog

General	
Power	DC12V + 25%, PoE (IEEE 802.3af) Max 4.0 W
Casing	IP67 Metal
Operating Conditions	-30°C ~ 55°C (-22°F ~ 131°F), Humidity: <95% RH (non-condensing)
Storage Conditions	-30°C ~ 55°C (-22°F ~ 131°F), Humidity: <95% RH (non-condensing)
Approvals	CE LVD (EN 62368:1:014+A11:2017) UL (UL 62368-1, 2nd Ed, Issue Date: 2014-12-01) FCC (FCC CFR 47 part 15 B, ANSI C63.4-2014)
Dimensions	Φ110.5 x 94.1 mm (Φ4.4" x 3.7")
Net Weight	0.425kg (0.93lb)

Accessories



U1-ACC-D/T-JB03G
Fixed Dome Outdoor
Wall Mount



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof
Joint



U1-ACC-D/T-UM06
Fixed Turret Indoor
Incline Mount

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-D/T-WM03
Fixed Dome Indoor
Wall Mount



U1-ACC-D/T-JB07/WM03
Fixed Dome Outdoor
Wall Mount



U1-ACC-B/D/T-POLE06-C
Pole Mount Adapter

U1-ACC-D/H/T/PT-SE24
Pendant Mount

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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 reducesbandwidth 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.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW™ READY

NDAA Compliant

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

- Easy Plug and Play and Cloud Management
  - > No fixed IP or port forwarding needed
  - > Full access to GUI through IPTECHVIEW
  - > Rich monitoring & alerting rules
- Smart intrusion prevention: cross line, intrusion, enter area, and leave area detection
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds, and lights, etc., accurately focus on humans and motor vehicle, and non-motor vehicle.
- Wide-angle technology with 180° horizontal viewing angle
- Dewarp level configurable from 1 to 9
- High-quality image with 5MP, 1/2.7" CMOS sensor
- Supported resolutions: 5MP (2880 x 1620) @30/25fps, 4MP (2560 x 1440) @30/25fps, 3MP (2304 x1296) @30/25fps, 2MP (1920 x 1080) @30/25fps.
- Video compression: Ultra 265, H.265, H.264, MJPEG**
- 120dB true WDR technology for clear images in strong light conditions
- 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

Specifications

Camera	U1-TRT-5PANO
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

Intelligence

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	Micro SD, up to 256GB. 128GB micro SD included
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, 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

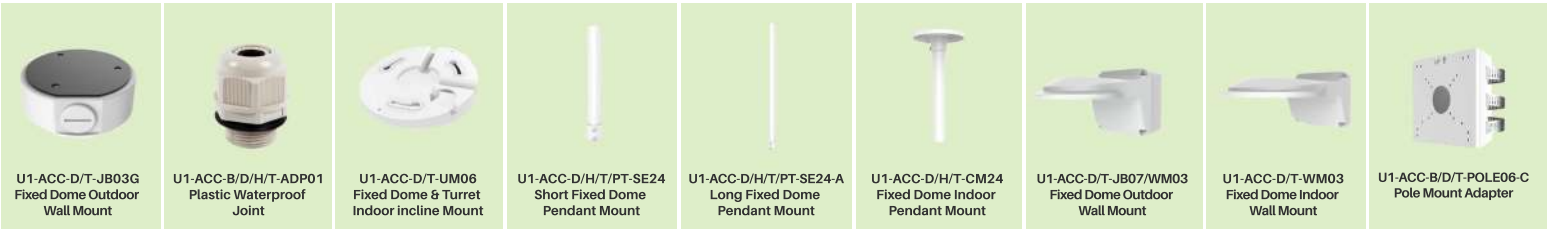
Certifications

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	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 5.5 W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Φ 111 x 93m (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



U1-ACC-D/T-JB03G Fixed Dome Outdoor Wall Mount

U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint

U1-ACC-D/T-UM06 Fixed Dome & Turret Indoor incline Mount

U1-ACC-D/H/T/PT-SE24 Short Fixed Dome Pendant Mount

U1-ACC-D/H/T/PT-SE24-A Long Fixed Dome Pendant Mount

U1-ACC-D/H/T-CM24 Fixed Dome Indoor Pendant Mount

U1-ACC-D/T-JB07/WM03 Fixed Dome Outdoor Wall Mount

U1-ACC-D/T-WM03 Fixed Dome Indoor Wall Mount

U1-ACC-B/D/T-POLE06-C Pole Mount Adapter

IPTECHVIEW™

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IPTECHVIEW Universal Camera

[U1-DOM-5F28]

5MP HD IR Fixed Dome Cloud Camera



IPTECHVIEW's dome camera features a 5MP 1/2.7" progressive CMOS sensor providing 5MP @ 30 fps. It has built-in support for H.264 which significantly reduce bandwidth and storage requirements effectively lowering your infrastructure costs while providing an affordable high-resolution surveillance system. Benefits of dome cameras include a wider viewing angle, enhanced vandal resistance (the lens is encased in a dome) and the dome itself partially disguises the position of the lens which helps deter would be vandals. The camera includes Smart IR, up to 98ft IR and a 128GB SD memory card. The camera is made with a vandal, dust-resistant, UV-stabilized IP67-rated plastic and metal casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF® GST

IPTECHVIEW™ READY

NDAA Compliant

- 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 1/2.7" CMOS sensor
- 5MP (2880 x 1620) @30/25fps
- 120dB true WDR technology
- LightHunter technology for ultra-high image quality in low illumination environment
- H.264**
- Supports 9:16 Corridor Mode
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- IP67 protection
- IK10 vandal-resistant

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-DOM-5F28
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Lens	2.8mm@F1.6
Angle of View	96.1° x 55.3° x 111.1°
Adjustment Angle	Pan: 3° ~ 360° Tilt: 0° ~ 68° Rotate: 3° ~ 360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>56dB
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Audio Compression & Sampling Rate	G.711 64Kbps, 8KHz, suppression
Built-in Mic	Supported
	Not supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)

Video	
Video Compression	H.264
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 5MP (2888x1620), 4MP (2560x1440); 3MP (2304x1296; 1080P (1920x1080), Max 30fps Sub Stream: 720P (12870X720); D1 (720x576); 640x360; 2CIF (704x288); CIF (352x288), Max.30fps Third Stream: D1 (720x576); 640x360; 2CIF (704x288); Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

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°
HLC	Supported
BLC	Supported

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 4.0 W
Casing	IP67 Metal + Plastic - IK10
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)
Approvals	CE: EN60950-1 UL: UL60950-1 FCC: FCC Part 15
Dimensions	Φ108.7 x 81.1 mm (Φ4.3" x 3.2")
Net Weight	0.425kg (0.93lb)

Accessories


U1-ACC-D/T-JB03G
Fixed Dome Outdoor
Wall Mount


U1-ACC-B/D/H/T-ADP01
Plastic Waterproof
Joint


U1-ACC-D/T-UM06
Fixed Turret Indoor
Incline Mount

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-D/T-WM03
Fixed Dome Indoor
Wall Mount


U1-ACC-D/T-JB07/WM03
Fixed Dome Outdoor
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

IPTECHVIEW™

See Price
Buy Now

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.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF® GST

IPTECHVIEW™ READY

NDAA Compliant

- 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

*__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	850mm
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
Frame Rate	Main Stream: 5MP (2880 x1620), Max 30fps; 4 MP (2560 x1140), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; Sub Stream: 720P (1280 x 720), Mx 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, 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, UDFP, DHCP, PPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	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	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	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	CE LVD (EN 62368-1:2014+A11:2017)
Environment	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+AMDI: 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)	Φ148.0 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 Protecion	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

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IPTECHVIEW Universal Camera

[U1-HEM-5F14]

5MP HD IR 360°Fisheye Fixed Dome Cloud Camera



IPTECHVIEW's U1-HEM-5F14 features 360° view with high quality lens ensuring image quality. The camera's progressive CMOS sensor provides 5 MP @ 30 fps and has built in support for Ultra 265, H.265 and H.264 - all of which significantly reduce bandwidth and and storage requirements effectively lowering your infrastructure costs while providing an affordable high-resolution surveillance system. The camera includes Smart IR, up to 33ft IR distance and a 128GB SD memory card. The camera is made with an impact, vandal, dust resistant IK10, UV-stabilized IP66-rated metal and plastic casing.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

- 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 1/2.7" CMOS sensor
- 5MP (2592 x 1944) @30/25fps
- Ultra 265, H.265, H.264, MJPEG**
- 120dB true WDR technology
- Smart IR, up to 33ft
- Up to 256GB Micro SD card
- Built-in 2 Mic, supports the detection of sounds over longer distances
- Alarm: 1 in/1out, Audio: 1 in/1out
- IK 10 vandal-resistant
- IP66 protection
- PoE support

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-HEM-5F14
Sensor	1/2.8", progressive scan, 5.0 megapixel, CMOS
Lens	1.4mm@F2.
Angle of View	360°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.01 Lux (F2.0, AGC ON) 0 Lux with IR
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter for day & night function
S/N	>55dB
IR Range	Up to 10m (33 ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Defog	Digital Defog
WDR	120dB

Audio	
Audio Compression &	G.711 64Kbps, 8KHz, suppression
Sampling Rate	Supported
Built-in Mic	Supported

Network	
Supported Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 8002.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™ ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	Micro SD, up to 256GB. 128GB micro SD included
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and disgest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
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
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)

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 (2592x1944): Max.30fps; Sub Stream: 1080P (1920x10800: Max.30fps; 720P (12870X720), Max.30fps Third Stream: D1 (720x576), Max.30fps; 640x360, Max.30fps; 2CIF (704x288), Max.30fps; CIF (352x288), Max.30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~16 Mbps
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
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°
BLC	Supported

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af) Max 8.5 W
Casing	IP66 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)
Approvals	FCC CFR 47 Part 15 EN 55032:2015; EN 55024:2010; EN 61000-3-2:2014; EN 61000-0-0-2013; EN 62368-1; UL 62368-1; CE-ROHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)
Dimensions	Φ125 x 43.7 mm (Φ4.9" x 1.7")
Net Weight	0.36kg (0.79lb)

Accessories



U1-ACC-H-JB03-H-IN
Fixed Dome Outdoor Wall Mount



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint

U1-ACC-D/H/T/PT-SE24
Short Fixed Dome Pendant Mount

U1-ACC-D/H/T/PT-SE24-A
Long Fixed Dome Pendant Mount



U1-ACC-D/H/T-CM24
Fixed Dome Indoor Pendant Mount

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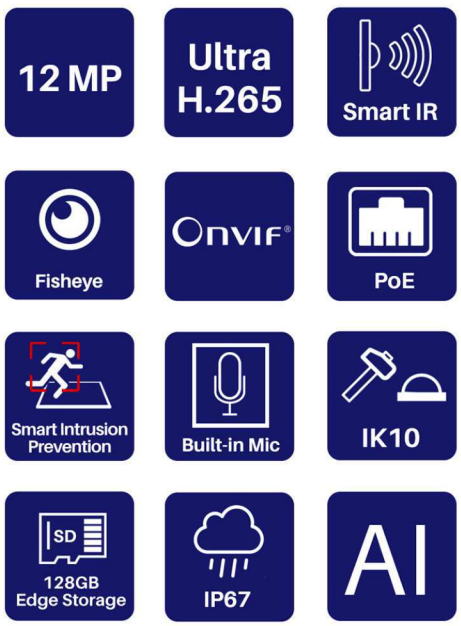
IPTECHVIEW Universal Camera

[U1-HEM-12F18]

12MP HD IR 360° Fisheye Fixed Dome Cloud Camera



IPTECHVIEW's U1-HEM-12F18 features 360° view with high quality lens ensuring image quality. The camera's progressive CMOS sensor provides 12MP @ 20 fps and has built-in support for Ultra 265, H.265 and H.264 - all of which significantly reduce bandwidth and 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.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF® GST

IPTECHVIEW™ READY Pre-configured device

NDAA Compliant

- 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 1/2.7" CMOS sensor
- 12mP (4000x30001) @20fps
- Ultra 265, H.265, H.264, MJPEG**
- Ultra-wide angle lens, 360° panoramic image
- Embedded infrared light, 360° fill-in light, up to15m (49ft) IR distance
- Up to 256GB Micro SD card
- 120dB true WDR technology
- Smart IR, up to 33ft
- 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/1out, Audio: 1 in/1out
- IK 10 vandal-resistant and IP67 protection
- PoE support

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-HEM-12F18
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
Supression	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™ ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network	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 disgest 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 **Panomara 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

Intelligence

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	Φ149 mm x 55 mm (Φ5.9" x 2.2") (Φ x H)
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



U1-ACC-H12-JB04-D
Fixed Dome Outdoor Wall Mount



U1-ACC-B/D/H/T-ADP01
Plastic Waterproof Joint

U1-ACC-D/H/T/PT-SE24
Short Fixed Dome Pendant Mount

U1-ACC-D/H/T/PT-SE24-A
Long Fixed Dome Pendant Mount



U1-ACC-D/H/T-CM24
Fixed Dome Indoor Pendant Mount

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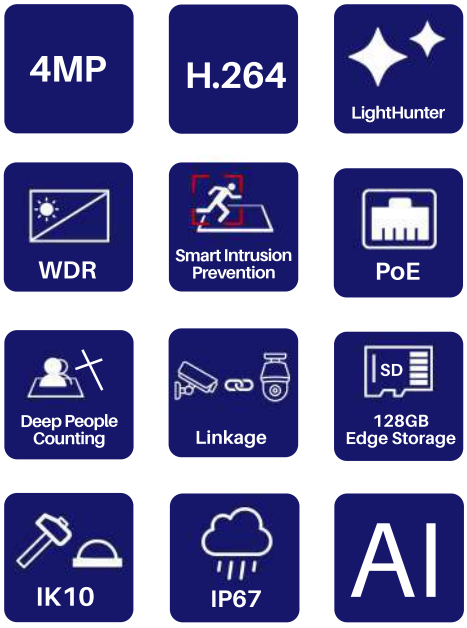
IPTECHVIEW Universal Camera

[U1-PTZ-25x]

4MP HD IR PTZ Cloud Camera



IPTECHVIEW U1-PTZ-25x features day/night functionality and 25x Optical Zoom. This high quality camera with 4MP 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 record at the edge. The camera is made with an impact- and dust-resistant metal case rated IP67 ingress protection.



Compatible with IPTECHVIEW and any VMS that supports

ONVIF | GST

IPTECHVIEW READY

NDAA Compliant

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

- 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 4MP, 1/2.8" CMOS sensor
- 2688 x 1520 @ 30fps in the main stream
- Triple streams
- 25x Optical Zoom
- Smart intrusion prevention , support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- People Counting, support people flow counting and crowd density monitoring, suitable for different statistical scenarios
- LightHunter technology ensure ultra-high image quality in low illumination environment
- Smart IR, up to 328ft (100m) IR distance
- DC12V±25% or PoE+ (IEEE 802.3at)
- Alarm 2 in and 1 out, Audio 1 in and 1 out
- IP67 ingress protection
- IK10 vandal resistent

Specifications

Camera	U1-PTZ-25x
Sensor	1/2.8", 4.0 megapixel, progressive scan, CMOS
Minimum Illumination	Color: 0.003 Lux (F1.5, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, shutter time: 1~1/100000 s
WDR	120dB
S/N	>56dB

Lens	
Lens	4.8 ~ 120mm, AF automatic focusing and motorized zoom lens
Digital Zoom	16
Optical Zoom	25
Iris	Auto; F1.5 ~ F3.8
Field of View (H)	52.20° ~ 2.74°
Field of View (V)	30.81° ~ 1.54°
Field of View (D)	64.20° ~ 3.23°

DORI

Lens	(mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
DORI Distance	4.8	119.3	47.7	23.9	11.9
	120	2475	990	495	247.5

Illuminator	
IR Range	Up to 100m (328 ft) IR Range
Wavelength	850mm
IR On/Off Control	Auto/Manual

Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 4MP (2688x1520) Max 30fps Sub Stream: 2MP (1920 x1080), Max 30fps Third Stream: D1 (720 x 576), Max 30fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Supported
OSD	Up to 8 OSDs
Privacy Mask	24 areas, up to 4 areas per scene
ROI	Supported
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/Vertical/Horizontal/180°/90° Clockwise/ 90° Counter-Clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog

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

Events	
Basic Detection	People/vehicle detection, motion detection, ultra motion detection, tampering, alarm, audio
Auto Tracking	Supported
General Detetion	Watermark, IP address filtering, alarm input, alarm output, access policy, ARP Protection, RTSP Authentication

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

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

Network	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDFP, DHCP, PPoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 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 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

Pan & Tilt	
Pan Range	360° (endless)
Pan Speed	0.1%/s ~ 200%/s
Preset Speed	240°/s
Tilt Range	15° ~ 90° (auto reverse)
Tilt Speed	0.1%/s ~ 120%/s
Preset speed	200°/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	Supported
Home Position	Supported

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

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 part15 B, ANSI C63.4-A11:2020)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014)
Environment	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+AMDI: 1999+AMD2:2013)
Protection	IK10 (IEC 62262:2002)

General	
Power	DC 12V± 25%, PoE (IEEE 802.3af) Power consumption: Max 21.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimension (Ø x H)	Φ166 x 295mm (Ø6.5" x 11.6")
Weight	3.05kg (6.72lb)
Working Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protecion	6KV
Reset Button	Supported

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

IPTECHVIEW™

See Price
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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

ONVIF® | GST

IPTECHVIEW™ READY

NDAA Compliant

- 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

*__NDAA-Compliant Camera.__ Connectivity software & cloud design developed in the USA (MSTAR SOC).
**IPTECHVIEW cloud recording uses H.264

Specifications

Camera	U1-PTZ-25-90	
	Panorama	**Detail**
Sensor	1/2.7", 4.0 megapixel, CMOS	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 aperature; 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					
	Lens (mm)	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
DORI Distance	4 4.8 ~ 120	295.3 406 ft ~ 8120.1	118.1 162.4 ft ~ 3248	59.1 81.2 ft ~ 1624	29.5 40.6 ft ~ 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	
Frame Rate	Main Stream: 4MP (2688x1520), 30fps Sub Stream: 2MP (1920 x 1080), 30fps Third Stream: D1 (720 x 576), 30fps;	4MP (2688x1520), 30fps 720P (1280 x 720), 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:
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 Comprssion	G.711
Audio Bitrate	128 Kbps
Two-way Audio	Supported
Suppression	Supported
Sampling Rate	16 KHZ

Network	
Protocols	SSH, IGMP, RTP, RTCIP, 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