



# IPTECHVIEW™

## UNIVERSAL Cameras

IPTECHVIEW's Value Camera Line



[Bullet](#)



[Turret](#)



[Dome](#)



[Hemispheric](#)



[PTZ](#)

Click on the **images** or **SKUs** below to see the datasheet of that camera model. You can see list price or purchase on the partner store by clicking the shopping cart icon.

Image	Description	Angle	SKU	Click to see price and buy
	<b>Bullet Camera</b> , 5MP, IR, Mic, WDR, Analytics, Day/Night, Indoor/Outdoor, 128GB SD card	97° 79°	<a href="#"><u>U1-BLT-5F28</u></a> <a href="#"><u>U1-BLT-5F40</u></a>	 
	<b>Bullet Active Deterrent Camera</b> , 5MP, IR, Mic, Speaker and Lights, WDR, Analytics, Day/Night, Indoor/Outdoor, 128GB SD card	97°	<a href="#"><u>U1-BLT-5F28-AD</u></a>	
	<b>Bullet Varifocal Camera</b> , 5MP, IR, WDR, Day/Night, Indoor/Outdoor, Deep People Counting, Smart Intrusion Prevention, 128GB SD card	106-30°	<a href="#"><u>U1-BLT-VF</u></a>	
	<b>Turret Camera</b> , 5MP, IR, Mic, WDR, Analytics, Day/Night, Indoor/Outdoor, 128GB SD card	96°	<a href="#"><u>U1-TRT-5F28</u></a>	
	<b>Turret Active Deterrent Camera</b> , 5 MP, IR, Mic, WDR, Analytics, Deterrence, Speaker and Lights, 128GB SD card	96°	<a href="#"><u>U1-TRT-5F28-AD</u></a>	
	<b>Turret Panoramic Camera</b> , 5MP, 180° Wide Angle, IR, Mic, WDR, Dewarping, Deep People Counting, Smart Intrusion Prevention, 128GB SD card	180°	<a href="#"><u>U1-TRT-5PANO</u></a>	
	<b>Dome Camera</b> , 5MP, IR, WDR, Analytics, Day/Night, Indoor/Outdoor, 128GB SD card	96°	<a href="#"><u>U1-DOM-5F28</u></a>	
	<b>Dome Varifocal Camera</b> , 5MP, IR, Mic, WDR, Day/Night Indoor/Outdoor, Deep People Counting, Smart Intrusion Prevention, 128GB SD card	106-30°	<a href="#"><u>U1-DOM-VF</u></a>	
	<b>Hemispheric Camera</b> , 5MP, IR, Mic, WDR, Analytics, Day/Night, Indoor/Outdoor, 128GB SD card	360°	<a href="#"><u>U1-HEM-5F14</u></a>	
	<b>PTZ Camera</b> , 5MP, IR, WDR, Deep People Counting, Smart Intrusion Prevention, 128GB SD card	52-2°	<a href="#"><u>U1-PTZ-25X</u></a>	

For more IPTECHVIEW-Ready devices, please check out [IPTECHVIEW Resources](#).

# IPTECHVIEW Cloud Cameras Solution



IPTECHVIEW offers an unparalleled cloud-based IP video surveillance solution, addressing the essential requirements of today's security market. Businesses demand improved basic surveillance with a focus on remote access, intelligent alerts, and actionable intelligence for managers and owners.

Choose IPTECHVIEW for a unique modular solution that is robust, durable, and future-proof, catering to current needs while easily expanding into a comprehensive pro-active surveillance system when necessary.

- **It's SIMPLE.** IPTECHVIEW's provisioning tools enable companies and their technology partners to easily and remotely reconfigure existing systems so these can be managed from anywhere. Surveillance cameras will be delivered IPTECHVIEW-Ready™ to easily add to a customer's account by just installing them physically, connecting to POE and locating them within their IPT platform account.
- **It's SCALABLE.** IPTECHVIEW SYSTEM enables surveillance partners to add as many customers, cameras, optimized fail-safe storage, and locations as desired. IPTECHVIEW SYSTEM is perfect for any customer and any size camera deployment.
- **It's SECURE.** Critical data is always encrypted during transport and at rest. Our systems are monitored for security risks, and we continuously adopt new security techniques and procedures. IPTECHVIEW SYSTEM relies on one of the world's strongest cloud-service network partners to ensure that all the camera users are protected.

## One Camera Brand Rarely Fits Every Need and Budget

### WHY IPTECHVIEW CAMERAS?

- Market demand for a robust value camera line
- Cloud optimized
- Preconfigured & remote configuration
- Low light & WDR
- Includes IR
- Built-in Mic (certain models only)
- Essential Analytics
- NDAA compliant



- Easy Plug and Play and Cloud Management
  - No fixed IP or port forwarding need
  - Full access to GUI through IPTECHVIEW
  - Rich monitoring and alerting rules
- High quality image with 1/2.7" CMOS sensor (1/2.8" for hemispheric and PTZ)
- Cross line, intrusion, enter/leave area detection (AD/VF/PTZ models)
- Sound and light alarm linkage, when smart intrusion is triggered (AD/VF/PTZ models)
- Intelligent People Flow Counting and Crowd Density Monitoring (VF/PTZ models)
- LightHunter technology for ultra-high image quality in low illumination environment (certain models)
- 4MP, 5MP or 8MP (depending on the model)
- Ultra 265, H.265, H.264, MJPEG
- 120dB true WDR technology
- Support 9:16 Corridor Mode
- Smart IR
- Up to 256GB Micro SD card
- PTZ model with 4.8~ 120mm, AF automatic focusing on motorized zoom lens
- Varifocal models in bullet/dome with 2.7 ~ 13.5mm, AF automatic focusing and motorized lens
- IP66/67 protection; some models IK10 vandal-resistant
- PoE support



Mix and match our NDAA-compliant IPT cameras with your existing line when and where you need them.

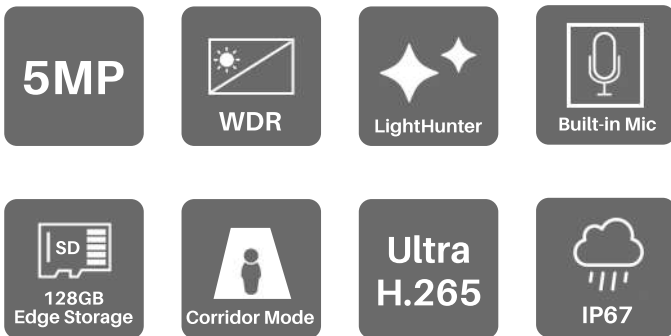


\* **NDAA Compliant** - Cameras use MSTAR chipset made in Taiwan. Housing and final assembly made in China. Connectivity software & cloud design developed in the USA.

# 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.



- 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 1/2.7" 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

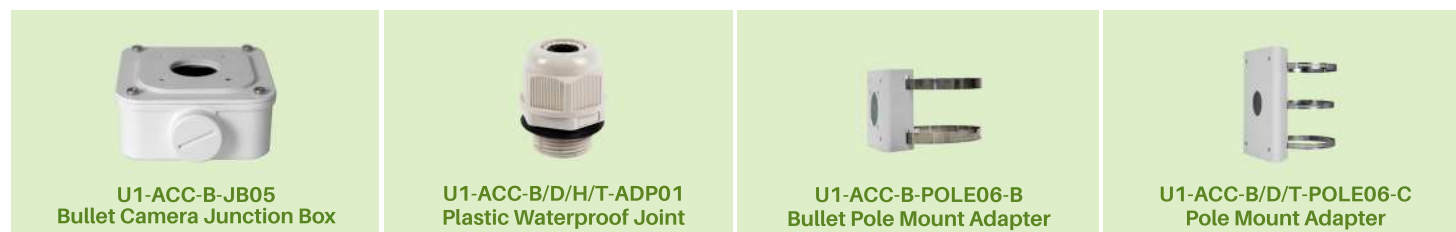
\***NDAA Compliant** - Camera uses MSTAR chipset made in Taiwan. Housing and assembly made in China. Connectivity software & cloud design developed in the USA.



# Specifications

Camera		U1-BLT-5F28 / U1-BLT-5F40	
Sensor	1/2.8", 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		Video	
Audio Compression &	G.711 64Kbps, 8KHz, suppression	Video Compression	Ultra 265, H.265, H.264, MJPEG**
Sampling Rate	Supported	H.264 code profile	Baseline profile, Main profile, High profile
Built-in Mic	Supported	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;
Network		Image	
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	White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK	Digital Noise Reduction	2D/3D DNR
Edge Storage Network User/Host	Micro SD, up to 256GB. 128GB micro SD included Up to 32 users. 2 user levels: administrator and common user	Smart IR	Supported
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	Flip	Normal/Flip Vertical/Flip Horizontal/180°
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+	HLC	Supported
Interface	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet	BLC	Supported
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)	General	
		Power	DC 12V ± 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



# 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/highcontrast 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.



- Easy Plug and Play and Cloud Management
  - No fixed IP or port forwarding need
  - Full access to GUI through IPTECHVIEW
  - Rich monitoring & alerting rules
- Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection.
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds, and lights, etc., accurately focus on human, and motor vehicle and non-motor vehicle
- 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

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



# Specifications

Camera		U1-BLT-5F28-AD	
Sensor	1/2.8", 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		Video	
Audio Compression & Sampling Rate	G.711 64Kbps, 8KHz, suppression Supported	Video Compression	Ultra 265, H.265, H.264, MJPEG**
Built-in Mic	Supported	H.264 code profile	Baseline profile, Main profile, High profile
Two-Way Audio	Supported	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;
Network		Image	
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	White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK	Digital Noise Reduction	2D/3D DNR
Edge Storage Network User/Host	Micro SD, up to 256GB. 128GB micro SD included Up to 32 users. 2 user levels: administrator and common user	Smart IR	Supported
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	Flip	Normal/Flip Vertical/Flip Horizontal/180°
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+	HLC	Supported
Interface	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet	BLC	Supported
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)	Defog	Digital Defog
		General	
		Power	DC 12V ± 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

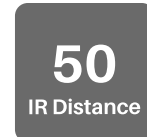
			
<b>U1-ACC-B-JB05</b> Bullet Camera Junction Box	<b>U1-ACC-B/D/H/T-ADP01</b> Plastic Waterproof Joint	<b>U1-ACC-B-POLE06-B</b> Bullet Pole Mount Adapter	<b>U1-ACC-B/D/T-POLE06-C</b> Pole Mount Adapter



# IPTECHVIEW Universal Camera (U1-BLT-VF)

## 5MP HD IR Varifocal Bullet Cloud Camera

Bullet cameras are one of the mainstays of 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.

 <b>5MP</b>	 <b>WDR</b>	 <b>LightHunter</b>	 <b>H.264</b>
 <b>IP67</b>	 <b>Smart Intrusion Prevention</b>	 <b>50 IR Distance</b>	 <b>128GB Edge Storage</b>
 <b>External Mic &amp; Speaker</b>	 <b>IK10</b>		



- **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 1/2.7" 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 imagequality in low illumination environment**
- **120dB true WDR technology enables clear image in strong light scene**
- **Support 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**

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

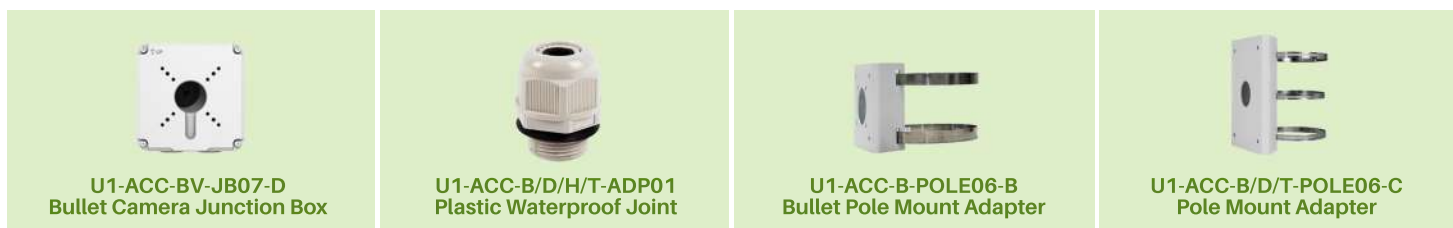


# Specifications

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	850nm				
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				
Intelligent					
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 Comprssion	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, UDP, DHCP, PPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH, ONVIF (Profile S, Profile G, Profile T), API, SDK
Compatible Integration	Up to 32 users. 2 user levels: administrator and common user
User/Host 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)
Safety	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
Environment	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)
Protection	
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 Protection	6KV
Reset Button	N/A

# Accessories

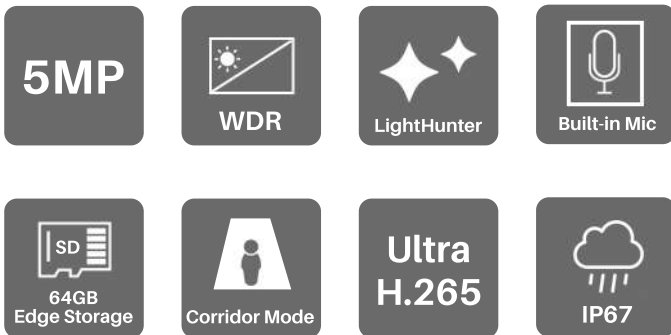




# IPTECHVIEW Universal Camera [U1-TRT-5F28]

## 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.



- 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 illumination environment
- 5MP (2880x1620)@30/25fps
- Ultra 265, H.265, H.264, MJPEG
- 120dB true WDR technology
- Support 9:16 Corridor Mode
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- Built-in Mic
- IP67 protection



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



# Specifications

Camera		U1-TRT-5F28	
Sensor	1/2.8", 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		Video	
Audio Compression &	G.711 64Kbps, 8KHz, supression	Video Compression	Ultra 265, H.265, H.264, MJPEG**
Sampling Rate	Supported	H.264 code profile	Baseline profile, Main profile, High profile
Built-in Mic	Supported	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;
Network		Image	
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	White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK	Digital Noise Reduction	2D/3D DNR
Edge Storage Network User/Host	Micro SD, up to 256GB. 128GB micro SD included Up to 32 users. 2 user levels: administrator and common user	Smart IR	Supported
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	Flip	Normal/Flip Vertical/Flip Horizontal/180°
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+	HLC	Supported
Interface	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet	BLC	Supported
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)	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





# 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.



- 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 illumination environment
- 5MP (2880x1620)@30/25fps
- Ultra 265, H.265, H.264, MJPEG
- 120dB true WDR technology
- Supports 9:16 Corridor Mode
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- IP67 protection
- Supports PoE Power Supply
- Smart intrusion prevention, includes cross line, intrusion, enter area, leave area detection
- Based 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. When smart intrusion prevention is triggered, the camera links sound alarm and light linkage.
- Intelligent People Flow Counting and Crowd Density Monitoring

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



# 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

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 User/Host	Micro SD, up to 256GB. 128GB micro SD included 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
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 62368-1:2014+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



# 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 reduces bandwidth and storage requirements. Thanks to the memory card slot, you can optionally record at the edge. The camera is made with an impact- and dust-resistant metal case rated IP67 ingress protection.



- Easy Plug and Play and Cloud Management
  - No fixed IP or port forwarding needed
  - Full access to GUI through IPTECHVIEW
  - Rich monitoring & alerting rules
- Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection.
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds, and lights, etc., accurately focus on human, and motor vehicle and non-motor vehicle
- Wide angle technology realize the horizontal viewing angle of 180°
- The dewarp level can be configured in the range of 1-9
- High quality image with 5MP, 1/2.7" CMOS sensor
- 5MP (2880x1620)@30/25fps, 4MP (2560x1440)@30/25fps, 3MP (2304x1296)@30/25fps; 2MP (1920x1080)@30/25fps
- Ultra 265, H.265, H.264, MJPEG\* \*
- 120dB true WDR technology enables clear image in strong light scene
- Built-In Mic
- Smart IR, up to 66ft (20m) IR distance
- Up to 256GB Micro SD card
- IK10 vandal resistant
- IP67 protection
- Support PoE power supply IEEE802.3af

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



# Specifications

Camera	U1-TRT-5PAN0
Sensor	1/2.7", progressive scan, 5.0 megapixel, CMOS
Minimum Illumination	Color: 0.01 Lux (F1.2, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto-switch (ICR)
Shutter	Auto/Manual, 1~1/100000 s
Adjustment Angle	Pan: 0° ~ 360° Tilt: 0-75° Rotate: 0-360°
WDR	120dB
S/N	>56dB

Lens	
Lens	1.68mm@F1.2
Iris	Fixed
Field of View (H)	180°
Field of View (V)	100°
Field of View (D)	180°

DORI		Lens (mm)	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
DORI Distance		1.68	124	49.6	24.8	12.4

Illuminator	
IR Range	Up to 20m ( 66 ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual

Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG**
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 5MP (2880*1620), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
U-Code	Supported
Video Bit Rate	128 Kbps~10 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams

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

Intelligent	
Smart Intrusion Prevention	Support false alarm filtering: Cross line detection, Intrusion detection, Enter Area detection, Leave Area detection

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

Events	
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication

Audio	
Audio Compression & Bitrate	G.711U, G.71A, 64Kbps
Two-way audio	N/A
Suppression	Supported
Sampling Rate	8KHz










Network	
Protocols	IPv4, IPv6, IGMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK
Edge Storage Network User/Host	Micro SD, up to 256GB. 128GB micro SD included Up to 32 users. 3 user levels: administrator, common user, and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	EZStation, EZView, EZLive
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

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

Certifications	
EMC	CE-EMC (EN 55032, EN61000-3-3, EN IEC 61000-3-2, EN 55035) FCC (FCC 47 CFR part 15B)
Safety	CE LVD (EN 62368-1) CE LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment Protection	CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU) IP67 (IEC 60529); IK10 (IEC 62262)

General	
Power	DC12V ± 25%, PoE (IEEE 802.3af)
Power consumption	Max 5.5 W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Φ 111 x 93mm (Φ 4.4" x 3.7")
Net Weight	0.48kg (1.06 lb)
Material	Metal
Operating Conditions	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Conditions	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Reset Button	Supported

## Accessories

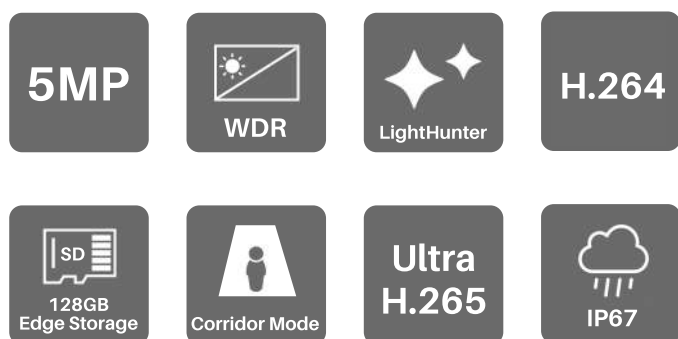
								
U1-ACC-D/T-JB03G 4" Fixed Dome Outdoor Wallmount	U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint	U1-ACC-D/T-UM06 Fixed Dome & Turret Indoor Incline Mount	U1-ACC-D/H/T-SE24 Short Fixed Dome Pendant Mount	U1-ACC-D/H/T-SE24-A Long Fixed Dome Pendant Mount	U1-ACC-D/H/T-CM24 Fixed Dome Indoor Pendant Mount	U1-ACC-DV-JB07/WM03 4" Fixed Dome Outdoor Wall Mount	U1-ACC-D/T-WM03 4" Fixed Dome Indoor Wall Mount	U1-ACC-B/D/T-POLE06-C Pole Mount Adapter



# 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.



- 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 ensures ultra-high image quality in low illumination environment
- H.264
- Support 9:16 Corridor Mode
- Smart IR, up to 98ft
- Up to 256GB Micro SD card
- IP67 protection
- IK10 vandal-resistant



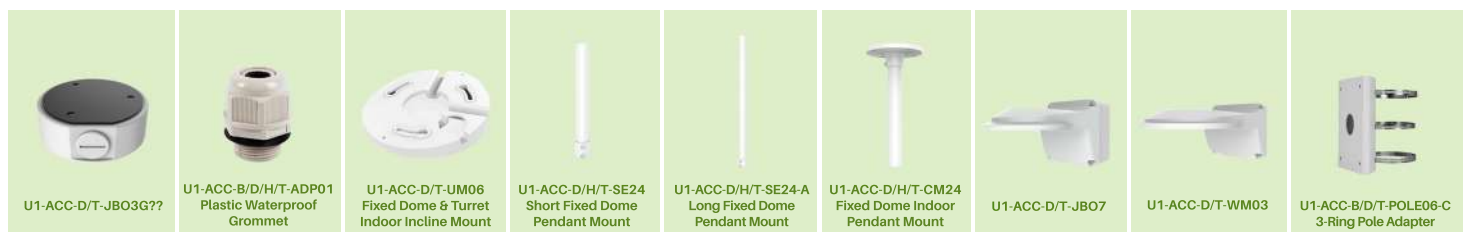
\***NDAA Compliant** - Camera uses MSTAR chipset made in Taiwan. Housing and assembly made in China. Connectivity software & cloud design developed in the USA.



# 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		Video	
Audio Compression &	G.711 64Kbps, 8KHz, suppression	Video Compression	H.264
Sampling Rate	Supported	H.264 code profile	Baseline profile, Main profile, High profile
Built-in Mic	Not supported	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;
Network		Image	
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	White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Compatible Integration	IPTECHVIEW-Ready™, ONVIF (Profile S, Profile G, Profile T), API, SDK	Digital Noise Reduction	2D/3D DNR
Edge Storage Network User/Host	Micro SD, up to 256GB. 128GB micro SD included Up to 32 users. 2 user levels: administrator and common user	Smart IR	Supported
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	Flip	Normal/Flip Vertical/Flip Horizontal/180°
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+	HLC	Supported
Interface	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet	BLC	Supported
Audio I/O	Input: impedance 35 kΩ; amplitude 2 V (p-p) Output: impedance 600 Ω; amplitude 2 V (p-p)	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





# IPTECHVIEW Universal Camera (U1-DOM-VF)

## 5MP HD IR Varifocal Dome Cloud Camera

IPTECHVIEW U1-Dome-VF feature day/night functionality and WDR for ensuring ultra-high image quality in low illumination environments. This high quality camera with 5MP sensor @ 30fps with support for Ultra 265, H.265 and H.264 reducing bandwidth and storage requirements. Thanks to the memory card slot, you can optionally record at the edge. The camera is made with an impact- and dust-resistant metal case rated IP67 ingress protection.



- Easy Plug and Play and Cloud Management
  - No fixed IP or port forwarding need
  - 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 uses MSTAR chipset made in Taiwan. Housing and assembly made in China. Connectivity software & cloud design developed in the USA.



# Specifications

<b>Camera</b>		<b>U1-DOM-VF</b>			
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				
<b>Lens</b>					
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°				
<b>DORI</b>					
	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
<b>Illuminator</b>					
IR Range	Up to 40m (131 ft)	IR Range			
Wavelength	850mm				
IR On/Off Control	Auto/Manual				
<b>Image</b>					
Video Compression	Ultra 265, H.265, H.264, MJPEG				
H.264 Code Profile	Baseline profile, Main profile, High profile				
	Main Stream: 5MP (2880 x 1620), Max 30fps; 4 MP (2560 x 1440), 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;				
Frame Rate	640 x 360, Max 30fps; Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 128 Kbps ~ 16 Mbps				
Video Bit Rate	Supported				
U-code	Up to 8 OSDs				
OSD	Up to 4 areas				
Privacy Mask	Up to 8 areas				
ROI	Triple streams				
Video Stream					
<b>Intelligent</b>					
Smart intrusion prevent	Support false alarm filtering: People/vehicle detection, Cross line detection, People counting, support people flow counting, monitoring				
Statistical Analysis					
<b>Events</b>					
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				
<b>Audio</b>					
Audio Compression	G.711				
Audio Bitrate	64 Kbps				
Two-way Audio	Supported				
Suppression	Supported				
Sampling Rate	8 KHz				
<b>Storage</b>					
Edge Storage	Micro SD, up to 25GB				
Network Storage	ANR, NAS (NFS)				
<b>Network</b>					
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH				
Compatible Integration	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				
<b>Interface</b>					
Audio I/O	Input: Impedance 35kΩ; amplitude 2V ([p-p] Output: impedance 600Ω; amplitude 2V ([p-p] 44927				
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				
<b>Certifications</b>					
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+A1:2020) FCC (FCC CFR 47 part 15B, 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)				
<b>General</b>					
Power	DC 12V± 25%, PoE (IEEE 802.3af) Power consumption: Max 7.0W				
Power Interface	Ø 5.5mm coaxial power plug				
Dimension (Ø x H)	Ø148.0 x 111.4mm (Ø5.8" x 4.4")				
Weight	0.97kg (2.12lb)				
Material	Metal				
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)				
Storage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)				
Surge Protection	6KV				
Reset Button	Supported				

# Accessories

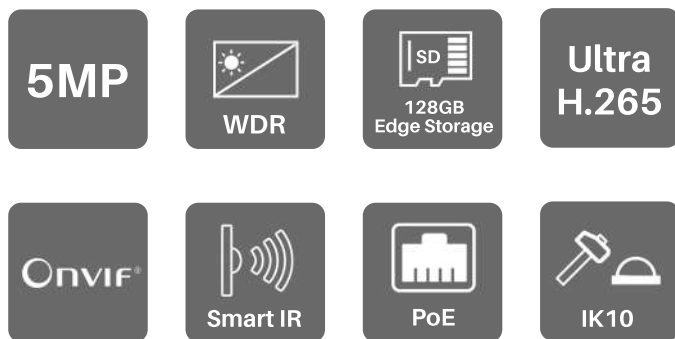
								
U1-ACC-DV-JB04-C 4" Fixed Dome Outdoor Wallmount	U1-ACC-B/D/H/T-ADP01 Plastic Waterproof Joint	U1-ACC-D/T-UM06 Fixed Dome & Turret Indoor Incline Mount	U1-ACC-D/H/T-SE24 Short Fixed Dome Pendant Mount	U1-ACC-D/H/T-SE24-A Long Fixed Dome Pendant Mount	U1-ACC-D/H/T-CM24 Fixed Dome Indoor Pendant Mount	U1-ACC-DV-JB07/WM04 4" Fixed Dome Outdoor Wall Mount	U1-ACC-DV-WM04 4" Fixed Dome Indoor Wall Mount	U1-ACC-B/D/T-POLE06-C Pole Mount Adapter



# 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 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.



- 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 1/2.7" CMOS sensor
- 5MP (2592x1944):@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
- IK10 vandal-resistant
- IP66 protection
- PoE support

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



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# 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 & Sampling Rate	G.711 64Kbps, 8KHz, suppression
Supported	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 User/Host	Micro SD, up to 256GB. 128GB micro SD included 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
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 (1920x1080): 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	DC 12V ± 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-N

U1-ACC-B/D/H/T-ADP01

U1-ACC-D/H/T-SE24











U1-ACC-D/H/T-SE24-A

U1-ACC-D/H/T-CM24

# IPTECHVIEW Universal Camera (U1-PTZ)

## 4MP HD IR PTZ Cloud Camera

IPTECHVIEW U1-PTZ 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.



- 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 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 resistant

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



# Specifications

## Camera U1-PTZ

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

DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	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	850nm
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 (1920x1080), Max 30fps Third Stream: D1 (720x576), 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

## Intelligent

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)

# Accessories



U1-ACC-PT-JB12  
12-inch Junction Box

U1-ACC-PT-CE45-IN  
Dome Pendant Mount

U1-ACC-PT-UC08-B-IN  
PTZ Dome Corner Mount

U1-ACC-PT-WE45-A-IN  
PTZ Dome Wall Mount

U1-ACC-PT-WE45-B-IN  
PTZ Dome Gooseneck Bracket

U1-ACC-PT-UP08-B-IN  
PTZ 3-Ring Pole Mount Adapter

## 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, UDP, DHCP, PoE RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration User/Host	ONVIF (Profile S, Profile G, Profile T), API, SDK Up to 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 EZStation, EZView, EZLive
Client 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+AMD: 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)	Ø166 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 Protection	6KV
Reset Button	Supported



# Resources Index

Discover additional IPTECHVIEW products below. **Click on the images** for the datasheet of each product.

<p><a href="#"><u>IPTECHVIEW UNIVERSAL Cameras</u></a></p> 	<p><a href="#"><u>IPTECHVIEW SURVEILLANCE</u></a></p>  <p>SRV</p>	<p><a href="#"><u>IPTECHVIEW SYSTEM (platform)</u></a></p>  <p>RMM</p>	<p><a href="#"><u>IPTECHVIEW Ecosystem</u></a></p> 
<p><a href="#"><u>IPT CAMViewer ONE</u></a></p> 	<p><a href="#"><u>IPTECHVIEW-Ready Managed Switches</u></a></p> 	<p><a href="#"><u>IPT PoE Switch</u></a></p> 	<p><a href="#"><u>IPT LTE PoE</u></a></p> 
<p><a href="#"><u>IPT MobileBASE</u></a></p> 	<p><a href="#"><u>IPT SecGate-One</u></a></p>  <p>Manage legacy devices</p>	<p><a href="#"><u>IPT CAMGate ONE</u></a></p>  <p><b>FREE</b> software to run on local server</p>	

