

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 (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

Compatible with IPTECHVIEW and any VMS that supports



* **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 Supported
Built-in Mic	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 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	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 Dome 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