12MP, TDN, WDR, IR, 360° FISHEYE DOME

12MP 360° Fisheye Dome

IPFE12360X

> Fully Adheres to National Defense Authorization Act (NDAA) Guidelines

> Exceptional Video Quality with 12MP, 4000 x 3000 Resolution

> Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements

> Embedded IR LED Light, with 0 Lux Night Time Operation up to 49 Feet

> Ultra-wide angle, 1.8mm, 360°panoramic lens

> TRUE Day/Night and Digital-WDR functionality for all Lighting Conditions

> Two-way Audio w/ built-in microphone & speaker, Backlight Compensation, 3D DNR

> Multiple decoding, software and hardware modes, providing interactive dynamic viewing

> Triple Video Streams and ONVIF Profile S Compliant

> PoE & 12VDC Power Options and Built-in Micro-SD Card Slot enables local storage up to 256GB

> IP67 Weather Resistant & IK10 Impact Resistant, Vandal Housing

> Optional Mounting Accessories Available

> Supported by uniview tec Guard Station Software and Guard Viewer Mobile App's for iPhone and Android Device

www.univiewtechnology.com

![uniview tec logo]

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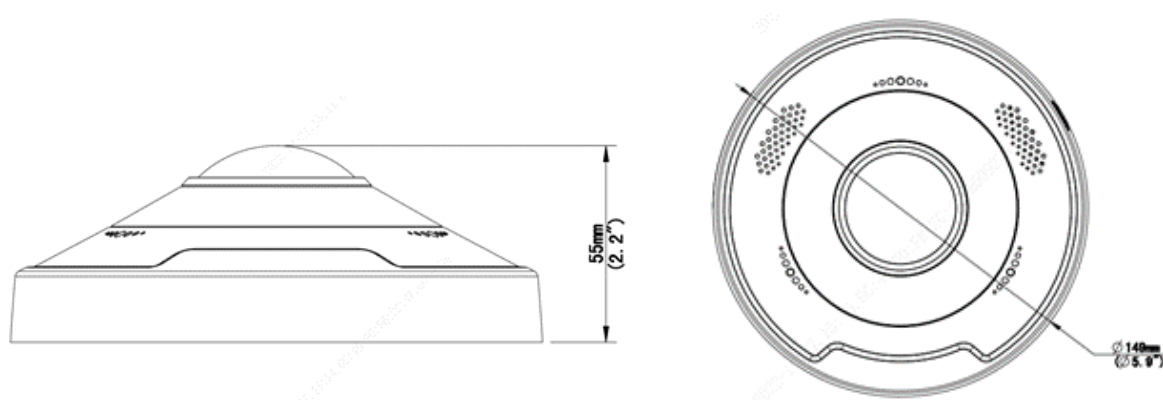
Specifications

Camera	
Sensor	1/2.7" 12MP, progressive scan CMOS
Minimum illumination	Color: 0.003 lux (F2.0, AGC ON); 0 lux with IR on
True Day / Night	IR-cut filter with auto switch (ICR)
Shutter	Auto / Manual, 1 ~ 1/100000s
WDR	Digital-WDR
S/N	>52dB

Lens	
Lens	1.8mm @ F2.0
Field of View	360°

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

Illuminator	
IR Range	Up to 15m (49ft) 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
Main Stream Frame Rate	Fisheye View: 12MP (4000 x 3000) @ 20fps; 3000 x 3000 @ 20fps; 2560 x 2560 @ 25fps; Panorama View: 12MP (4000 x 3000) @ 20fps; 3000 x 2000 @ 20 / 25fps; 3000 x 1500 @ 20 / 25fp; PTZ View: 1920 x 1080 @ 20 / 25fps
Sub Stream	Fisheye View: 2000x 1500 @ 20fps; 2000 x 2000 @ 25fps
Third Stream	Fisheye View: D1 (720 x 576) @ 20 / 25fps; CIF (352 x 288) @ 20 / 25fps
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams

Live View Display	
Mount Type	Support table, wall, and ceiling
Hardware Decoding	Ceiling mount: fisheye view, fisheye + 4PTZ, horizontal panorama view, vertical panorama view Table mount: fisheye view, fisheye + 4PTZ, , horizontal panorama view, vertical panorama view Wall mount: fisheye view, fisheye + 4PTZ, panorama view

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Software Decoding	Ceiling mount: fisheye view, 360° panorama + 1PTZ, 180° panorama view, fisheye + 3PTZ, fisheye + 4PTZ, fisheye + 8PTZ, 360° panorama + 6PTZ Table mount: fisheye view, 360° panorama + 1PTZ, 180° panorama view, fisheye + 3PTZ, fisheye + 4PTZ, fisheye + 8PTZ, 360° panorama + 6PTZ Wall mount: fisheye view, 180° panorama view, 180° panorama view + 3PTZ, 180° panorama view + 4PTZ, 180° panorama view + 8PTZ

Image

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

Intelligence

Smart intrusion prevention	Cross Line detection, Intrusion detection
Statistical Analysis	Heat map (Working with management platform)

Events

Basic Detection	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	G.711
Audio Bitrate	64 Kbps
Two-way audio	Support
Suppression	Support
Sampling Rate	8KHZ

Storage

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

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
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
Client	Guard Station, Guard Viewer
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above;

Interface

Audio I/O	1 x Input: : impedance 35kΩ; amplitude 2V [p-p]; 1 x output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	2 /1; Multiple-Alarm linkage editable

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Built-in Mic	Two Microphones
Built-in Speaker	Support
Serial	1 x RS485
Network	1 x RJ45 10M/100M Base-TX Auto-adaptive Ethernet
Video Output	1 BNC, impedance 75Ω; amplitude 1V [p-p]
General	
Power	DC 12V ±25%, PoE (IEEE 802.3af); Power consumption: Max 12W
Dimensions (Ø × H)	Φ149 x 55mm (Φ5.9" x 2.2")
Weight	0.524kg (1.19lb)
Material	Metal + Plastic
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Conformity Certifications	IP67, IK10, CE, FCC

Dimensions

Accessories

See Camera Accessories Guide