



VUE Plus 12MP Fisheye Camera

VPLUS-7121-FE



Benefits

- 360° field of view offers extensive coverage, eliminating blind spots and the need for more hardware
- Enable faster, more confident alarm verification with 12MP video
- Onboard AlarmVision® capabilities allow camera communication to control panels
- Expand recurring revenue opportunities with advanced video services in the DMP ecosystem

Features

- Full-color imaging in ultra-low-light conditions
- 360° field of view with viewing options including panoramic and 4PTZ
- 12MP resolution for enhanced image clarity
- Onboard AlarmVision capabilities
- Built-in microphone
- Advanced analytics in fisheye mode, including person and vehicle detection
- Multiple dewarping modes and front-end image correction
- DWDR, 3D DNR, ROI, Defog, HLC
- PoE and 12 VDC powered
- Smart IR distance up to 49.2 ft.
- Built-in microSD card slot (up to 1TB)
- IP66 protection
- ONVIF and NDAA compliant

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CAMERA

Image Sensor	1/1.7" Progressive Scan CMOS
Max. Resolution	12MP, 4000(H) × 3000(V)
Shutter Speed	1/5 to 1/50,000s
Min. Illumination	Color: 0.01 Lux @ (F2.4, AGC ON), B/W: 0.005 Lux @ (F2.4, AGC ON), 0 Lux with IR on
Day & Night	Auto (ICR)

LENS

Lens Type	Fixed-focal lens
Focal Length	1.8 mm
Max. Aperture	F2.4
Field of View (FOV)	180° × 180°
Iris	Fixed Iris

ILLUMINATOR

Type	IR
IR wavelength	850 nm
Distance	49.2 ft.
Control	Auto/ Manual

INTELLIGENT ANALYTICS

AI Multi-Target	Supports face, human, and vehicle detection and capture
Intelligent Analysis	Intrusion detection, smart motion detection, single line crossing, double line crossing and loitering

VIDEO & AUDIO

Number of Streams	2 Streams
Resolution	Stream1: One-Channel: - Fisheye View: 4000×3000, 3000×3000, 2560×2560, 1280×960 180° Panorama View: 3000×752, 2560×640, 1920×480, 1280×960 360° Panorama View: 4000×2000, 2560×1280, 1920×960, 1280×960 4PTZ View: 4000×3000, 2048×1536, 1920×1440, 1280×960 - Fisheye + 3PTZ View: 4000×3000, 2048×1536, 1920×1440, 1280×960 Multi-Channel: 1520×1520, 1280×960, 960×960, 720×720, 640×640 One-Channel: - Fisheye View: D1, 640×640, 480×480 180° Panorama View: 832×208, D1 360° Panorama View: 640×640, D1 4PTZ View: D1, VGA, QVGA - Fisheye + 3PTZ View: D1, VGA, QVGA Multi-Channel: 640×640, D1
Frame Rate	Up to 25fps
Bit Rate Control	CBR/VBR
Bit Rate	One-Channel: - Stream1: 200Kbps to 16Mbps - Stream2: 100Kbps to 6Mbps Multi-Channel: - Stream1: 100Kbps to 12Mbps - Stream2: 100Kbps to 6Mbps
Smart Encoding	Supported
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

IMAGE

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Wide Dynamic Range	DWDR
Privacy Masking	Support (Single-channel and fisheye mode)

NETWORK

Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

INTERFACE

Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 1 TB
Reset Button	Built-in microSD card slot, up to 1 TB * If needed, we recommend purchasing the memory card with the product so it can be preinstalled during production.

GENERAL

Power Supply	12 VDC (-15% to +20%) / PoE (802.3af)
Power Consumption	Max 9 W
Operating Temperature	-22°F to 140°F
Operating Humidity	Less than 95% RH
Ingress Protection	IP66
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
Material	Aluminum alloy body, bubble: plastic
Dimensions	5.12" × 1.51"
Net Weight	0.96 lb

FISHEYE DISPLAY

Mount Type	Ceiling Mount, Wall Mount, Desktop Mount
Decoding Mode	On-board Dewarping/Client-side Dewarping
Display Mode	12 display modes in total Client-side Dewarping: • 180° panorama view, 360° panorama view, 360° panorama + PTZ, 360° panorama + 3PTZ, 360° panorama + 6PTZ, 360° panorama + 8PTZ, Fisheye view, Fisheye + 3PTZ, Fisheye + 8PTZ, 4PTZ, 2PTZ, Fisheye + 1PTZ + 360° On-board Dewarping: • Fisheye view, Double panorama view, 4PTZ, Single panorama view, Fisheye + 3PTZ

DORI DISTANCE (EN 62676-4 STANDARD)

Detect	113.2 ft.
Observe	45.3 ft.
Recognize	22.6 ft.
Identify	11.3 ft.

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN 62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.

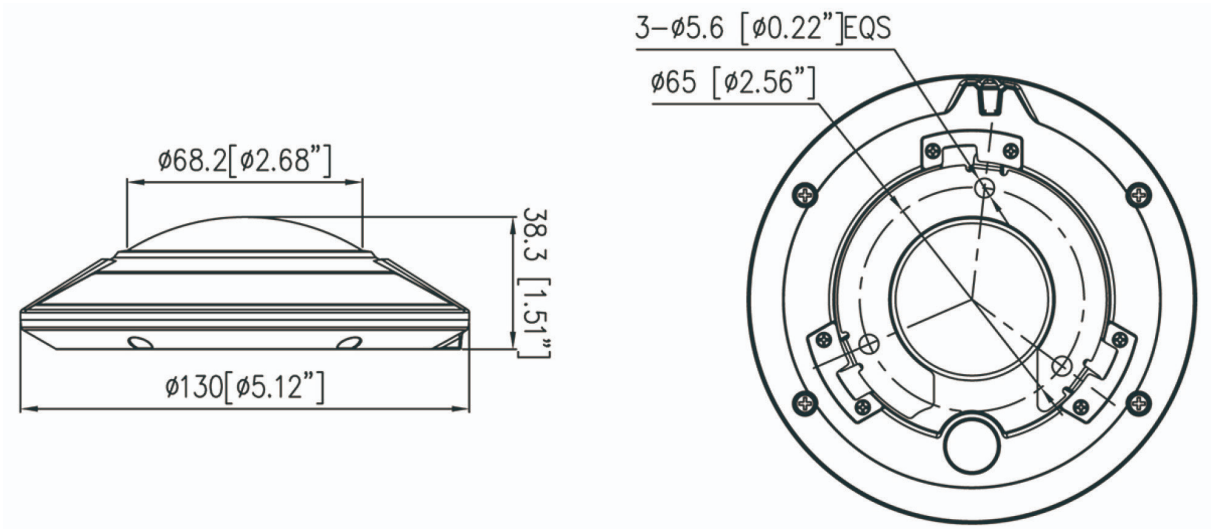
NDAA Section 889 Compliant: This product complies with Section 889 of the John S. McCain National Defense Authorization Act (NDAA) FY2019. The camera does not contain prohibited telecommunications or video surveillance equipment manufactured by Huawei, ZTE, Hytera, Hikvision, Dahua, or their subsidiaries or affiliates.

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DIMENSIONS (MM)



ACCESSORIES

	V-70BX-07 Junction Box, Fisheye	White wall or ceiling round junction box. Made of aluminum alloy and provides cable openings. Dimensions $5.58" \times 2.0"$
	V-70CP-05 Camera Cap, Fisheye	White mounting bracket/cap for pendant applications. Made of aluminum alloy and provides cable openings. Dimensions: $4.83" \times 2.76"$
	V-70CM-01 Bracket, Corner Mount	White wall or ceiling corner mount bracket. Made of aluminum alloy and provides cable openings. Dimensions: $5.13" \times 1.81" \times 6.69"$
	V-70PE-01 Bracket, Ceiling Pendant Mount	White ceiling mounting bracket for pendant applications. Made of aluminum alloy and provides cable openings. Dimensions: $4.83" \times 2.76"$
	V-70PM-01 Bracket, Pole Mount	White mounting bracket for pole mount applications. Made of aluminum alloy and provides cable openings. Dimensions: $5.13" \times 1.81" \times 6.69"$
	V-70WA-01 Bracket, Wall Mount	White wall mount arm. Made of aluminum alloy and provides opening for cables. Dimensions: $5.55" \times 4.57" \times 4.57"$

