

Cisco Meraki MV32-HW

Cloud-Managed Indoor 360° Fisheye Smart Security Camera

DATASHEET

Product Overview: The Cisco Meraki MV32-HW is an ultra-compact indoor fisheye smart camera designed to deliver immersive 360° situational awareness without blind spots. Featuring an 8.4MP (4.2MP effective) image sensor, 180° horizontal and vertical field of view, 256GB high-endurance onboard solid-state storage, client-side/cloud-side digital dewarping, and computer-vision AI analytics, it completely eliminates the need for Network Video Recorders (NVRs) or standalone software plugins.

360° View

FULL PANORAMIC FOV

8.4 MP

CMOS SENSOR (4.2MP EFF)

256 GB

ONBOARD SSD STORAGE

2058x2058

MAX RESOLUTION

CAMERA & OPTICS SPECIFICATIONS

Parameter	Specification Details
Image Sensor	1/2.5" 8.4MP (4.2MP effective) progressive CMOS image sensor
Video Resolution	4.2MP (2058 × 2058) 360° overview @ 15 fps 1MP (1080 × 1080) 360° overview @ 8 fps
Lens & Aperture	1.19 mm focal length fixed fisheye lens (f/2.0 aperture)
Field of View (FoV)	180° Horizontal × 180° Vertical (Full 360° hemispherical overview when ceiling mounted)
Shutter Speed & Illumination	Shutter speed: 1/30s to 1/32,000s Minimum illumination: 0.18 Lux (High Dynamic Range)
Audio Capabilities	Integrated omni-directional microphone for audio recording (enabled via dashboard setting)

STORAGE & VIDEO ARCHITECTURE

Onboard Storage	256GB high write-endurance solid-state storage (up to 20 days of continuous 24/7 video retention)
Storage Architecture	Cloud-augmented edge storage (local video storage with management metadata hosted in cloud)
Dewarping Modes	Interactive Virtual PTZ (Pan/Tilt/Zoom), Panoramic view, and 4-tile Quad Split view via browser
Live Video Streaming	Browser-native direct local proxy or cloud proxy streaming (no plugins required)

INTERFACES & POWER CHARACTERISTICS

Network Interface	1× 10/100/1000BASE-T RJ45 Ethernet Port
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KEY SOFTWARE & SMART VIDEO ANALYTICS

Interactive Virtual PTZ Dewarping

Pan, tilt, and zoom through live and recorded 360° video streams digitally without moving mechanical parts, providing complete coverage of the space.

[Virtual PTZ](#)[Quad View](#)

Edge Computer-Vision AI

Onboard processor analyzes video streams locally to detect person counts, plot activity heatmaps, and generate spatial traffic insights without external servers.

[Person Counting](#)[360° Heatmaps](#)

Cloud Video Wall & Export

Combine fisheye dewarped views into customized Dashboard video walls across multiple sites; export timestamped, watermarked MP4 clips in seconds.

[Cloud Proxy](#)[Video Walls](#)

Encrypted Edge Security

AES 256-bit full disk encryption at rest, HTTPS/TLS 1.2 in transit, secure boot hardware root-of-trust, and automatic cloud-managed security patches.

[AES-256](#)[Automatic Updates](#)

ANALYTICS & PLATFORM CAPABILITIES

Category	Feature Capabilities
Video Analytics & Sensing	360° spatial occupancy tracking, crowd density heatmaps, activity trend analysis over time
MV Sense API Integration	REST APIs and MQTT messaging publish real-time detection telemetry for third-party analytics and smart building tools
Wireless Security	WPA, WPA2-PSK, WPA2-Enterprise with 802.1X EAP-TTLS, TKIP and AES encryption
Mounting Versatility	Ceiling mount for full 360° overhead coverage or wall mount for 180° panoramic wall-to-wall view

ORDERING INFORMATION & ACCESSORIES

Part Number	Description
MV32-HW	Cisco Meraki MV32 Cloud-Managed Indoor 360° Fisheye Smart Camera (256GB SSD)
LIC-MV-1YR	Cisco Meraki MV Camera Enterprise Cloud License and Support (1 Year)
LIC-MV-3YR	Cisco Meraki MV Camera Enterprise Cloud License and Support (3 Years)
MA-MNT-MV-32-1	Wall Mount Arm Accessory for Meraki MV32 Fisheye Camera
MA-INJ-4-US	Cisco Meraki 802.3af Power over Ethernet Injector

Warranty & Cloud Support: The MV32-HW includes Cisco Meraki's 3-year hardware warranty with Advanced Next Business Day (NBD) replacement, alongside 24x7 phone/cloud technical support and automated firmware upgrades under an active Meraki MV camera subscription.