

Omada Security Camera | Datasheet

Omada 5MP Turret

Omada 5MP Turret PoE Security Camera



Highlights

- 5MP Super High Definition and 24h Full-Color
- Person/Vehicle/Pet Detection
- Event Detection
- Smart IR & Color Night Vision Switch
- Smart Video Enhancement Technology
- Built-in Microphone
- Easy Installation with PoE
- IP67 Weatherproof and IK08 Vandal Proof
- H.265+ Compression Technology

Feature Descriptions



5MP Super HD

See every detail in 5MP Super HD and stay in full control.



Full-Color, Day and Night

Built-in spotlights reveal true colors and accurate details 24/7.



Event Detection

Get instant notifications for events such as line-crossing or intrusion.



Easy Installation with PoE

One network cable delivers both power and data without any complex wiring.



Person/Vehicle/Pet Detection

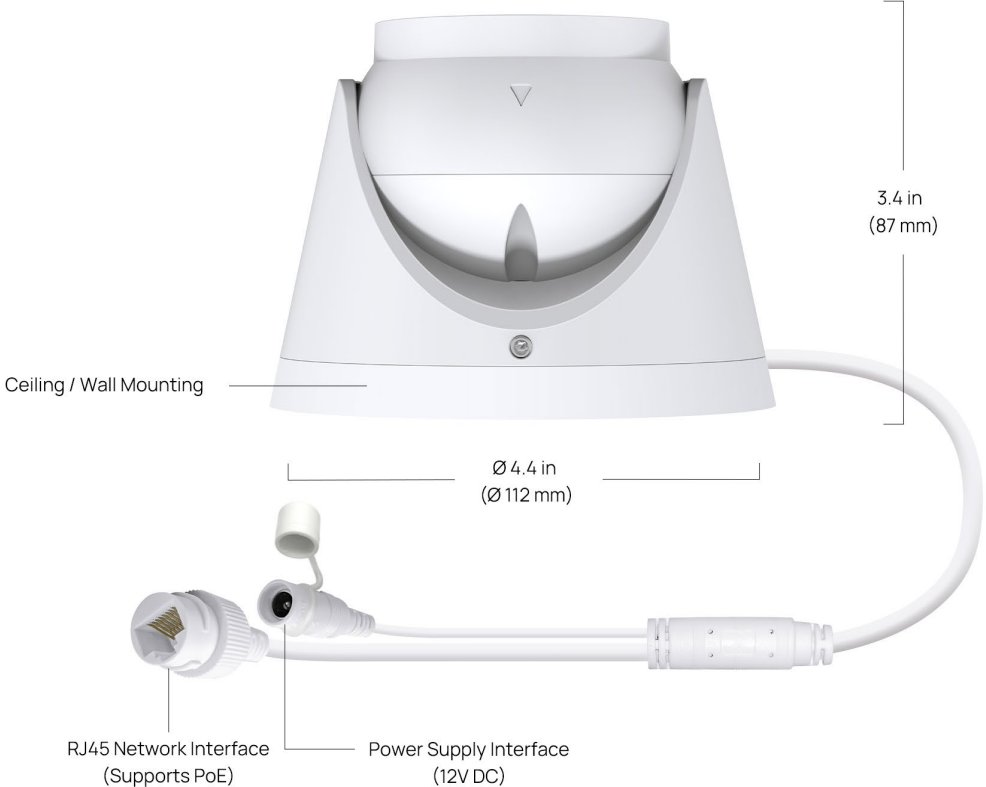
Smartly identifies people, vehicles, and pets, reducing false notifications.



Built-In Microphone

Never miss a sound around your camera.

Build Features



Specifications

Model		Omada 5MP Turret
Camera	Image Sensor	1/2.65" Progressive Scan CMOS
	Shutter Speed	1/3 to 1/10000 s
	Slow Shutter	Yes
	Minimum Illumination	0.005 Lux; 0 Lux with IR/White Light
	Day/Night Mechanism	IR Cut Filter
	Day/Night Switch	Auto
Lens	Type	Fixed Focal Lens
	Focal Length	4 mm
	Aperture	F1.6
	FOV	<ul style="list-style-type: none"> • Horizontal FOV: 92.0° • Vertical FOV: 48.0° • Diagonal FOV: 110.0°
	Lens Mount	M12*P 0.5
	DORI Distance	4 mm: <ul style="list-style-type: none"> • D: 262 ft (80 m) • O: 108 ft (33 m) • R: 52 ft (16 m) • I: 26 ft (8 m)
Angle Adjustment (Manual)	Range	Pan: 0° to 360°, Tilt: 0° to 85°, Rotation: 0° to 360°
	Integrated Infrared-White LED	<ul style="list-style-type: none"> • Quantity: 2 • IR Range: 98 ft (30 m) • White LED Range: 98 ft (30 m) • IR Wavelength: 850 nm
	Illuminator On/Off Control	Auto/Always on/Always off
Video	Max. Resolution	2880x1620
	Main Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 25fps (2880x1620, 2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720) 60Hz: 30fps (2880x1620, 2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720)
	Sub-Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 25fps (848x480,704x576, 640x480, 640x360,352x288, 320x240) 60Hz: 30fps (848x480,704x576, 640x480, 640x360,352x288, 320x240)
	Bit Rate Control	CBR, VBR
	Video Compression	<ul style="list-style-type: none"> • Main Stream: H.265+/H.265/H.264+/H.264 • Sub-Stream: H.265/H.264
	H.264 Type	High Profile
	H.264+	Main Stream Supported
	H.265 Type	Main Profile
	H.265+	Main Stream Supported
	Video Bit Rate	<ul style="list-style-type: none"> • Main Stream: 256 Kbps to 6144 Kbps • Sub-Stream: 64 Kbps to 512 Kbps

Model		Omada 5MP Turret
Image	Image Settings	<ul style="list-style-type: none"> • Mirror • Brightness • Contrast • Saturation • Sharpness • Exposure • WDR • White Balance
	Image Enhancement	BLC/3D DNR/SmartIR
	Wide Dynamic Range	120 dB
	SNR	≥ 52 dB
	Image Parameters Switch	Yes
	Privacy Mask	Up to 4 Masks
	OSD Setting	Yes
Audio	Audio Communication	N/A
	Audio Input	Yes (Built-in Microphone)
	Audio Output	N/A
	Audio Compression	Yes
	Audio Sampling Rate	8KHz, 16KHz
	Environment Noise Filtering	Yes
	Audio Bit Rate	64 Kbps(G.711 alaw, G.711 ulaw)
Network	Protocol	TCP/IP, UDP, ICMP, ARP, SNMP, SMTP, RTMP, HTTP, HTTPS, DHCP, DNS, RTSP, RTP, NTP, IPv4, IPv6, UPnP, SSL/TLS, FTP/SFTP
	ONVIF	Yes
	API	Open Network Video Interface (Profile S/T)
	Simultaneous Live View	3 Main Streams & 3 Sub-Streams
	Client	Web UI, Omada Guard APP, Omada Cloud-Based Controller (Guard)
	Web Browser	<ul style="list-style-type: none"> • Google Chrome® 57 and above • Firefox® 52 and above • Safari® 11 and above • Microsoft® Edge 91 and above
	Cloud	Yes
	Security	Password Protection, HTTPS Encryption, IP/MAC Restriction, Digest Authentication, 802.1X authentication
Alarm and Event Management	Event	<ul style="list-style-type: none"> • Motion Detection (People Detection, Vehicle Detection, Pet Detection) • Intrusion Detection • Line-Crossing Detection • Video Tampering Detection
	Alarm Linkage	<ul style="list-style-type: none"> • Sending Email • Upload to FTP • Message Push

Model		Omada 5MP Turret
Interfaces	Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
	Alarm	N/A
	Reset Button	N/A
	Power	DC Power Port
	On-board Storage	N/A
	Built-in Microphone	Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera
	Built-in Speaker	N/A
	Audio	N/A
General	Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
	Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
	Operating Humidity	95% or Less (Non-Condensing)
	Storage Humidity	95% or Less (Non-Condensing)
	Package Content	<ul style="list-style-type: none"> • Omada Camera • Quick Start Guide • Waterproof Accessories • Mounting Accessories • Network Cable • Surveillance Sticker • Mounting Templates • Installation Guide
	Material	Metal
	Net Weight	0.45 kg
	Power Supply	<ul style="list-style-type: none"> • 12V DC \pm 5%, Max. 7.4W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, Max. 8.7 W
	Protection	<ul style="list-style-type: none"> • IP67 Weatherproof • IK08 Vandal Proof
	Product Dimensions (L x W x H)	4.4 × 4.4 × 3.4 in (112 × 112 × 87 mm)
	Certifications	CE, FCC, BSMI, VCCI, KC, NTRA, IP67, IK08
Dimensions		
	Unit: inch[mm]	