

# CM45002 Dome 5MP Motorized 2.7-13.5mm POE AI Full Motor Camera



**Key Features:**

**Optics**

- ✓ Starlight illumination
- ✓ Day/night functionality
- ✓ Smart IR, up to 30m (98ft) IR distance
- ✓ Up to 120dB Optical WDR (Wide Dynamic Range)
- ✓ 2D/3D DNR (Digital Noise Reduction)
- ✓ Built-in motorized lens for remote zoom

**Compression**

- ✓ Ultra 265, H.264, MJPEG
- ✓ Embedded smart algorithm
- ✓ Triple streams
- ✓ ROI (Region of Interest)
- ✓ 9:16 corridor mode

**Network**

- ✓ ONVIF Conformance

**Structure**

- ✓ Support PoE power supply
- ✓ Built-in PoE splitter that outputs DC 12V
- ✓ Wide temperature range: -40°C ~ 60°C (-40°F ~ 140°F)
- ✓ Wide voltage range of ±25%
- ✓ IK10 vandal resistant
- ✓ IP67
- ✓ 3-Axis

## Specifications

Camera					
Sensor	1/2.7", 5.0 megapixel, progressive scan, CMOS				
Lens	2.7 ~ 13.5mm, AF automatic focusing and motorized zoom lens				
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.7	60.8	24.3	12.2	6.1
	13.5	303.8	121.5	60.8	30.4
Angle of View (H)	93.38° ~ 28.56°				
Angle of View (V)	88° ~ 16.4°				
Angle of View (O)	121.4° ~ 33.7°				
Adjustment angle	Pan: 0° ~ 360°		Tilt: 0° ~ 80°		Rotate: 0° ~ 360°
Shutter	Auto/Manual, shutter time: 1 ~ 1/100000s				
Minimum Illumination	Colour: 0.002Lux (F1.2, AGC ON) 0Lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Digital noise	2D/3D DNR				

reduction	
S/N	>52dB
IR Range	Up to 30m (98ft) IR range
Defog	Digital Defog
WDR	120dB
<b>Video</b>	
Video Compression	Ultra 265, H.264, MJPEG
H.264 code profile	Baseline profile, Main Profile, High Profile
Frame Rate	Main Stream: 5MP (2592*1944), Max 20fps; 5MP (2592*1944), Max 25fps (WDR OFF); 4MP (2560*1440), Max 30fps; 3MP (2048*1536), Max 30fps; 2MP (1920*1080), Max 30fps; Sub Stream: 2MP (1920*1080), Max 30fps; Third Stream: D1 (720*576), Max 30fps
9:16 Corridor Mode	Supported
HLC	Supported
BLC	Supported
OSD	Up to 8 OSDs
Privacy Mask	Up to 8 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
<b>Smart</b>	
Behavior Detection	Intrusion, cross line, motion detection
Intrusion	Enter and loiter in a pre-defined virtual region
cross line	Cross a pre-defined virtual line
motion detection	Moving within a pre-defined virtual region
Recognition	Face detection, Audio detection
Intelligent Identification	Defocus, Scene Change, Object Left, Object Moving
Statistical Analysis	People counting
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
<b>Audio</b>	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8KHZ
<b>Storage</b>	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR
<b>Network</b>	
Protocols	IPv4, 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
<b>Interface</b>	
Audio I/O	Audio cable
	Input: impedance 35kΩ; amplitude 2V [p-p]
	Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
Network	1 RJ45 10M/100M Base-TX Ethernet
Video Output	1 BNC, impedance 75Ω; amplitude 1V [p-p]
<b>General</b>	
Power	DC 12V±25%, PoE (IEEE 802.3af)

	Power consumption: Max 8.7W
Dimensions (Ø x H)	Φ148 x 111.3mm (Ø5.8" x 4.4")
Weight	0.92kg (2.0lb)
Working Environment	-40°C ~ 60°C (-40°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Ingress Protection	IP67
Vandal Resistant	IK10
Reset Button	Supported

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