



QUASAR™ PREMIUM MINI-DOME AI

5 MP HD and 4K UHD Network Cameras



Key Features:

- Artificial intelligence video analytics, on the edge
- Advanced situational awareness
- Reliable and NDAA compliant

Main Applications:

- Small perimeter protection
- Parking lot/outdoor area protection
- Entry/indoor area protection
- People/building/asset safety

SPECIFICATIONS

Camera	Quasar 4K UHD	Quasar 5 MP HD
Image Sensor	1/1.8-in CMOS	1/2.7-in CMOS
Sensor Resolution	3864 × 2180	2688 × 1944
Scanning Mode	Progressive	
Lens Type	CM-6408-21-1A: Zoom lens 11-28 mm, F1.47-1.69 H-FOV: 38.5° (Wide); 15.5° (Tele) V-FOV: 22.0° (Wide); 8.9° (Tele) CM-6408-11-1A: Zoom lens 4.3-10.8mm F1.38-F2.8 H-FOV: 110.76° (Wide); 40.43° (Tele) VFOV: 57.14° (Wide); 22.65° (Tele)	CM-6405-11-1A: Motorized lens 2.7 mm to 12 mm, F1.6-F2.9 H-FOV: 102.14° (Wide); 31.53° (Tele) V-FOV: 70.28° (Wide); 22.71° (Tele)
Digital Slow Shutter (DSS)	1/1 (1) - 1/60 (50) NTSC (PAL)	
White Balance	Auto / ATW / Manual / One Push	
Automatic Gain Control (AGC)	Auto	
Back Light Compensation	On / Off	
Shutter WDR	130 dB	
Noise Reduction	3D/2D/Color	
Tamper Detection	Yes	
Privacy Zones	Yes	
Video Motion Detection	Yes	
Day / Night Mode	Yes	
Mechanical IR Cut Filter	Yes	
Signal to Noise Ratio (SNR)	±55 dB	

Automatic Electronic Shutter (AES)	1/1 to 1/32,000	
Sensitivity	0.04 (color)/ 0.008 (BW), 0.002 Lux with IR illuminator ON, measured at 30 IRE	0.04 (color)/ 0.008 (BW, 0 Lux with IR illuminator ON, measured at 30 IRE
Video		
Compression	Enhanced H.265 Main Profile + Enhanced H.264 Main/High/Baseline Profile + MJPEG	
Maximum Performance	H.264/H.265 30/25 fps @ 4K (NTSC/PAL) + 30/25 fps @ D1 or H.264/H.265 15/12 fps @ 4K + 1080p + D1 (NTSC/PAL) or H.264/H.265 60/50 fps @ 1080p + 30/25 fps @ 720p + D1 (NTSC/PAL)	H.264/H.265 30/25 fps @ 5M (NTSC/PAL) + 30/25 fps @ D1 or H.264/H.265 15/12 fps @ 5M + 1080p + D1 (NTSC/PAL) or H.264/H.265 60/50 fps @ 1080p + 30/25 fps @ 720p + D1 (NTSC/ PAL)
Resolution Range	Scalable from QCIF to 4K	Scalable from QCIF to 5 MP
Bandwidth	Configurable between 64 Kbps and 20 Mbps	
Rate Control	CBR, CVBR, LBR, MJPEG	
SD Card Recording ¹	microSD/microSDHC/microSDXC 8 GB to 1 TB (Class 10)	
IR Illuminator		
Distance	Up to 40 m (131 ft) Sunshield 28 m (91.8 ft)	
Peak Emission Wavelength (nm)	850	
Angle	38.5° x 22°	102.1° x 70.2°
Network		
Network Protocols	IPv4/6, HTTP, HTTPS, UPnP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, IEEE 802.1X, SNMP, QoS, TLS, SMTP, FTP, DDNS, PPPoE, RTCP	

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited.

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SPECIFICATIONS, CONT.

Network (continued)	
Ethernet	10/100/1000, IEEE 802.3, auto sensing 1 x RJ45
Remote Configuration	Via web browser or supported video management software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
Supported Web Browser	Firefox, Chrome, Edge, Safari
Security	Password protection, IP address filtering, TLS/HTTPS, IEEE 802.1X network access control, Digest authentication, Password policy Protect from multiple failure login
ONVIF Support	Profiles S, G, M & T
Analytics	
Video Analytics	• Person / Face / Vehicle • Intrusion-Region/ Tripwire, Object Counting, Loitering, Stopped Vehicle • Abandoned Object, Object Removal, Wrong Direction, Camera Sabotage • People Counting
Analytics Management	Web-based configuration and management, masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control
Audio	
Bi-Directional Audio	1 Audio Line Input, G.711/G.726/AAC/LPCM support + 1 Audio Line Output
Alarm	
Input	1 dry alarm contact 1 5 V 10 kΩ pull up
Output	1 Relay Contact max. DC 5 V 130MA
Physical	
Enclosure	Indoor/Outdoor: IK10 rated vandal IP66 NEMA 4X
Dimensions	161 mm × 128.6 mm (6.3 in × 5 in)
Unit Weight	1.3 kg (2.86 lb)
Mechanical	
Pan / Tilt / Spin	356° / ±80° / ±98°
Electrical	
Input Voltage	PoE IEEE802.3af, class 0 AC 24 V, DC 12 V
Power Consumption	POE: 12.95W AC 24V: 13.2W; 24.20 VA DC 12V: 13.31W
Power Connector	RJ45 & AC/DC

Environmental	
Operating Temperature	-30°C to 60°C (-22°F to 140°F) without heater IR LED 100% max 50°C, 25% max 55°C -55°C to 60°C (-67°F to 140°F) with heater Cold start -40°C to 60°C (-40°F to 140°F) with heater IR LED 100% max 50°C, 25% max 55°C
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	90% (non-condensing)
Warranty & Regulatory	
Warranty	According to FLIR RMA Policy and Process Notice document
USA	FCC Part 15 (subpart B, class A)
International	CE marked, EN61000-6-3, EN 62368-1 & EN50130-4, CB 62368-1, LVD (CoC), RoHS
#1	1 Excluding countries where disallowed
MTBF (hrs)	CM-6408-11-IA: 467,938 CM-6408-21-IA: 410,170
Shock & Vibration	IEC 60068-2-64: 2008
Bump & Vibration	IEC 60068-2-27: 2008

For information on how to start a return or repair, scan or visit:



For accessories, product registration, and warranty information, scan or visit:



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