

CM-6212

FLIR QUASAR™

12MP Hemispheric Mini-Dome Camera



360° VIDEO CAPTURE. IMMERSIVE EXPERIENCE.

The FLIR Quasar Hemispheric mini-dome camera provides an immersive, 360° real-time and forensic experience using United VMS ControlCenter. With an indoor/outdoor vandal-resistant housing—coupled with two-way audio, IR-illumination and I/O interface—the Quasar Hemispheric camera is fully featured to address a wide range of applications.

The camera supports user-customized views through digital presets without affecting the recording of the complete 360° view, making it the ideal choice for full coverage, panoramic video surveillance.

Features

- Broadcast Quality Video
- Wall and Ceiling Modes
- Vandal-Resistant, Indoors and Outdoors
- Automatic IR-Illumination in lowlight conditions
- Bi-directional audio
- Digital Presets



General Specifications

Camera	
Image Sensor	1/1.7" BSI CMOS
Sensor Resolution	4000 x 3000
Scanning Mode	Progressive
Sensitivity	0.1 (color) / 0.01 (BW), 0 Lux with IR illuminator ON. Measured with DSS OFF at 30 IRE
Lens Type	Fisheye 1.29mm, 180° HFOV, F2.4, D/N
Automatic Electronic Shutter (AES)	1.0 to 1 / 10,000 (auto)
Digital Slow Shutter (DSS)	1/1 to 1/25 (PAL) or 1/30 (NTSC)
White Balance	Auto / ATW / One push / manual
Automatic Gain Control	Auto
Back Light Compression	On / Off
Wide Dynamic Range (WDR)	On / Off - 3 levels
Noise Reduction	2D / 3D / Color
Tamper Detection	On / Off / schedule
Privacy Zones	On / Off - 5 zones
Video Motion Detection	On / Off / schedule
Day / Night Mode	Smart / Auto / On / Off
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	±50 dB
Video	
Maximum Performance	H.264 20 fps @ 4000x3000 (NTSC/PAL)
Resolution Range	Scalable from D1 to 4000x3000
Bandwidth	Configurable between 64Kbps and 20Mbps
Rate Control	CBR/VBR
SD Card Recording ¹	Micro SDXC up to 128GB (Class 10)
Audio	
Bi-Directional Audio	Full duplex, line in and line out, G.711, G.726, AAC, LPCM
Audio Connections	Terminal block
IR Illuminator	
Distance	up to 5 m (16.4 ft.)
Angle of Illumination	360°
LED Type	High power / High efficiency SMD type
Peak Emission Wavelength (nm)	850

Network	
Network Protocols	ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, IEEE 802.1X
Ethernet	10/100/1000 Ethernet, auto sensing, half/full duplex (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	Internet Explorer 10+
Security	User account with password protection and IP filter
Alarm	
Input / Output	1 Dry Contact In / 1 Relay Out
Physical	
Enclosure	Indoor/Outdoor: IK10 rated vandal IP66
Dimensions	163 x 163 x 104 mm (6.43 x 6.43 x 4.09 in.)
Unit Weight	0.95 Kg (2.09 lbs.)
Mechanical	
Bubble Rating	IK10 vandal resistant polycarbonate
Bubble F-Stop	F0.0
Electrical	
Input Voltage	12 VDC PoE (class 3 to class 0)
Power Consumption	9W / 11W with IR
Power Connector	Terminal Block or PoE
Environmental	
Operating Temperature ²	-10° to 50° C (-10° to 122° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Humidity	90% (non-condensing)
Warranty & Regulatory	
Warranty	According to FLIR RMA Policy and Process Notice document
USA	UL, FCC Part 15 (subpart B, class A)
International	CE marked, EN61000-6-4 class A En50130-4, RoHS
MTBF (hrs)	335,022

1 Excluding countries where disallowed
2 Outdoor IR models support -10° for cold start with POE

Camera Ordering Information

Type	Series	Camera Resolution	Lens Option	Environmental	IR Illuminator
CM	62	12	H	1	I
Mini-Dome Camera	62 = Quasar Gen II	12 = 12 MP	H = Hemispheric	1 = IP66 Vandal with Heater	I = 360° Illuminator

Accessories		
Surface Mount	CM-4S-62	4S Mounting Adapter for CM-62xx Series Mini-dome Cameras.
	CM-BKBX-62	Back Box for CM-62xx Series Mini-dome Cameras.
Wall Mount	CM-CAPX-IND-W	Indoor Wall Mount Kit for CM-62 Series Minidome Cameras. Includes Pendant Cap with 18cm threaded wall mount bracket.
	CM-CAPX-OUT-W	Outdoor Wall Mount Kit for CM-62xx Series Mini-dome Cameras, includes sunshield, Pendant Cap, 18cm threaded wall mount arm.
Pendant Mount	CM-CAPX-IND-P	Indoor Pendant Cap for CM-62 Series Minidome Cameras.
	CM-CAPX-OUT-P	Outdoor Pendant Cap for CM-62xx Series Mini-dome Cameras, includes sunshield.
Recessed Mount	CM-RCSD-G2	Recessed Kit for CM-62xx/33xx/31xx Series Mini-dome Cameras.
Pole Mount	CM-CAPX-OUT-P	Outdoor Pendant Cap for CM-62xx Series Mini-dome Cameras, includes sunshield.
	CX-POLE-0	Pole Mount Adapter Bracket includes CX-ARMX-1
	CM-F150-62	1.5" NPT Inner Threaded (f) to 1/4 Turn (m) Adapter

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