



Wall mode



Ceiling mode

**CONVERTIBLE 180°/360°
PANORAMIC MINI-DOME CAMERA**

QUASAR™ 4x2K Panoramic

The FLIR Quasar™ Quad Sensor Camera is designed to address any application that requires full coverage of a wide area surveillance, with either a 180° or 360° degree field of view. Thanks to its patent-pending, one-step conversion process, the camera features a single form factor that is field-configurable to either 180° or 360° mode. The Quad Sensor capability completes FLIR's offering of full, wide-area coverage typically required for city surveillance deployments, critical infrastructure, airports and any other high-profile security applications.

www.flir.com/security



180°/360° FIELD OF VIEW

Display a single, 180° panoramic scene or achieve full 360° coverage using four individual views and an optional fifth sensor to eliminate any blind spots (purchased separately).



BLENDED 2K VIDEO STITCHING

The Quasar Quad Sensor Camera applies automatic lens distortion correction when stitched together.



EASY INTEGRATION

The camera features H.264 / H.265 compression and is compliant with ONVIF Profile S/G.

SPECIFICATIONS

Camera

Image Sensor	1/2.8" BSI CMOS (x4 Each)
Sensor Resolution	1920x1080 (x4 Each)
Scanning Mode	Progressive
Sensitivity	0.02 (color) / 0 (BW)
Lens Type	Fixed 3.6mm, 92° HFOV, F2.0
Automatic Electronic Shutter	1/1.75 to 1/10,000 (auto)
Digital Slow Shutter (DSS)	1/7.5(6.25)-1/60(50) NTSC(PAL)
White Balance	Auto / ATW / Manual / One Push
Automatic Gain Control (AGC)	Auto
Back Light Compensation	On / Off
Iris Control	Auto-Shutter
Shutter WDR	120 db
Noise Reduction	3D
Tamper Detection	Yes
Privacy Zones	Yes
Video Motion Detection	Yes
Day / Night Mode	Yes
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	More than 50dB when AGC off

Video

Compression	H.265 main profile, H.264 main profile/high profile (MPEG-4 Part 10/AVC), Motion JPEG
Maximum Performance	180 mode: H.264/H.265 30/25 FPS @ 3840x1440 + D1 (NTSC/PAL) H.264/H.265 20/20 FPS @ 3840x1440 + 1920x720 + D1 (NTSC/PAL) 360 mode: H.264 30/25 FPS @ 4K (NTSC/PAL) or H.265 27/25 FPS @ 4K (NTSC/PAL) or H.264/H.265 15/15 FPS @ 4K + 1080P + D1 (NTSC/PAL)
Analog Output	1 - composite video output BNC
Resolution Range	180 mode: Scalable from D1 to 3840x1440 360 mode: Scalable from D1 to 3840x2160
Bandwidth	Configurable between 64Kbps and 20Mbps
Rate Control	CBR, CVBR
SD Card Recording ¹	microSDXC up to 128GB (Class 10)

Audio

Bi-Directional Audio	1 Audio Line Level Input, G.711 a/μ-law, AAC support, 1 Audio Line Level Out
Audio Connections	Terminal block

¹ Excluding countries where disallowed

Camera Ordering Information

Type	Series	Camera Resolution	Lens Options	Environmental	IR Illuminator
CM	63	08	X	1	I
Mini-Dome Camera	63 = Quasar Gen III	08 = 4K UHD	P = Panoramic 180°/360° Convertible	1 = IP67 Vandal with Heater	I = 60° Illuminator

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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IR Illuminator

Distance	Up to 25 m (82 ft.)
Angle of Illumination	Full 60°
Number of IR LEDs	High efficiency SMD
Peak Emission Wavelength (nm)	850

Network

Network Protocols	TCP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, SSL, LDAP
Ethernet	10/100, 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+, Firefox 50+, Chrome 55+
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication

Alarm

Input / Output	1 Dry Alarm Contact In / 1 Relay Contact Out
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Physical

Enclosure	Indoor/Outdoor: IK10 rated vandal IP67
Dimensions	190mm x 190mm x 130mm (7.48 x 7.48 x 5.11 in.)
Unit Weight	1.56 Kg (3.44 lbs.)

Mechanical

Bubble Rating	IK10 vandal resistant polycarbonate
Bubble F-Stop	F 1.0 - Smoked Bubble (Standard)
Pan / Tilt / Rotate	360 mode: Tilt 63° degrees (fixed) 180 mode: Tilt 45° degrees synchronized down from horizon

Electrical

Input Voltage	802.3at PoE+, 24 VAC
Power Consumption	24.9W with heater and IR On
Power Connector	PoE / 2-pin terminal block

Environmental

Operating Temperature	-40° to 50° C (-40° to 122° F)
Storage Temperature	-40° to 60° C (-40° F to 140° 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, EN61000-6-3 & EN50130-4, RoHS, RCM
MTBF (hrs)	494,940

Mounting Options

CM-CAPX-63P	Pendant Cap for CM-63xx-P1-I with dual 1.5" NPT (m) threaded / 3.4" (f) EMT threaded mount
CX-ARMX-G3	Wall mount bracket 1.5" NPT (m) threaded
CX-ELBX-G3	Wall mount bracket 1.5" NPT (m) threaded with IP68 electrical box enclosure
CX-GSNK-G3	Goose-neck mount 1.5" NPT (m) threaded with IP68 electrical box enclosure
CX-CRNR-G3	90° Exterior Angle corner adapter for Cx-xxxx-G3 mounts
CX-POLE-G3	Pole Adapter for Cx-xxxx-G3 mounts including 2.5" - 8.5" straps
CM-IMG5-63P	5th Image Sensor for CM-63xx-P1-I (optional accessory for 360° viewing mode)

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19-0582-SEC-ENT CM-6308 Datasheet



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