FLIR QUASAR™

Quad HD sWDR Mini-dome

HIGHEST QUALITY. LOWEST BANDWIDTH. PREDICTABLE STORAGE.

The next generation of Quasar cameras brings the most advanced technologies with Quad HD resolution and Multi-shutter WDR, building upon the proven foundation of best in class broadcast quality cameras.

Quasar Quad HD sWDR cameras represent a resolution breakthrough in Multi-shutter WDR performance providing the highest evidentiary quality in the toughest lighting conditions. These advanced Quasar models offer 76% more detail than the HD1080 and the same forensic zoom as the legacy 5MP cameras. Through its broadcast motion processing architecture, the Quad HD sWDR camera series delivers predictable storage, lower utility costs and a reduced Total Cost of Ownership (TCO).

Now you can… get the evidence you need at a cost you can afford. Deploy a Quad HD with Multi-shutter WDR surveillance solution that easily handles wide variations in motion and lighting found in airports, city surveillance projects, critical infrastructure sites, commercial offices, campuses and casinos using the most technologically advanced HD IP camera.

Features

• Multi-shutter WDR (Wide Dynamic Range)

• Broadcast Quality Video

• Multi-streaming at the highest frame rates

• 1440p Quad HD at full frame rate and the lowest bit rate

• P-Iris

• Indoor/Outdoor

• Vandal Resistant

• IR Illumination

• Web interface for viewing and configuration

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General Specifications

Camera	
Image Sensor	1/3" BSI CMOS
Sensor Resolution	2688x1520
Scanning Mode	Progressive
Sensitivity	0.3 (color)/0.04 (BW), 0 Lux with IR illuminator ON, measured with DSS OFF at 30 IRE
Lens Type	CM-6204-11-I: Varifocal 3-8mm, 96°-38° HFOV, F1.4 CM-6204-21-I: Varifocal 7-22mm, 42°-14° HFOV, F1.4 Motorized with auto-focus, Auto-Iris/P-Iris, D/N
Automatic Electronic Shutter (AES)	1.0 to 1 / 10,000 (auto)
Digital Slow Shutter (DSS)	1/1 to 1/25 or 1/30 with up to 32x sensitivity boost in color or night mode
White Balance	Auto / indoor / outdoor / ATW / manual
Automatic Gain Control	Auto
Back Light Compression	On / Off
Iris Control	P-iris
Wide Dynamic Range (Multi-shutter)	2-shutter (93dB) / 3-shutter (107dB) / On / Off
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	
Compression	Fully compliant multi-stream H.264 main/high/SVC/baseline profile + MJPEG (FHD)
Maximum Performance[1]	H.264 30/25 FPS @ 1440p + D1 (NTSC/PAL) or H.264 15/12 FPS @ 1440p + 720p + D1 (NTSC/PAL)
Resolution Range	Scalable from CIF to QHD 1440p
Bandwidth	Configurable between 64Kbps and 20Mbps
Rate Control	CBR/VBR
SD Card Recording[2]	Micro SDXC up to 128GB (Class 10)
Audio	
Bi-Directional Audio	Full duplex, line in and line out, G.711, G.726
Audio Connections	Terminal block
IR Illuminator	
Distance	up to 40 m (131 ft.)
Angle of Illumination	Full 60°
Number of IR LEDs	6 high power / high efficiency SMD type
Peak Emission Wavelength (nm)	850

Network	
Network Protocols	IPv4/v6, TCP/IP, UDP Unicast / Multicast, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, SNTP, QoS, ONVIF Profile S, 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 (1GB Flash / 8GB RAM)
Supported Web Browser	Internet Explorer 9+
Security	User account with password protection and IP filter
Alarm	
Input	1 dry alarm contact
Output	1 relay contact, 300V AC / DC at 130 mA maximum
Physical	
Enclosure	Indoor/Outdoor: IK10 rated vandal IP66
Dimensions	163 x 104 mm (6.43 x 4.09 in.)
Unit Weight	0.82 Kg (1.81 lbs.)
Mechanical	
Bubble Rating	IK10 vandal resistant polycarbonate
Bubble F-Stop	F0.0 - clear bubble / F1.0 - smoke bubble (option)
Pan / Tilt / Rotate	355, 80 and ±100°
Electrical	
Input Voltage	12 VDC / 24 VAC ±10% or 802.3af PoE (Class 0)
Power Consumption	6W indoor or 13W outdoors with heater / IR
Power Connector	AC / DC terminal block or PoE
Environmental	
Operating Temperature[3]	-40° to 50° C (-40° to 122° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Humidity	95% (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, EN55022-1998 class A, EN55024, RoHS

Accessories

A complete list of mounts, brackets, pole mounts and recess kits for cameras can be found in the FLIR Price List and Camera Accessory Guide.

1 Maximum of 15/12 FPS in 3-shutter and Corridor modes
2 Excluding countries where disallowed
3 Outdoor IR models support -25° C for cold start with POE

Camera Ordering Information

Type	Series	Camera Resolution	Lens Option	Environmental	IR Illuminator
CM	62	04	X	1	I
Mini-Dome Camera	62 = Quasar Gen II	04 = 1440p QHD	1= 3-8mm 2= 7-22mm	1 = IP66 Vandal with Heater	I = 60° Illuminator

ONVIF

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