

CM-6204



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



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) / 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 | 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 ¹ | 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 |

| Network | |
|------------------------------------|--|
| Network Protocols | IPv4/v6, TCP/IP, UDP Unicast / Multicast, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, SNT, 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 ² | -40° to 50° C (-40° to 122° F) |
| Storage Temperature | -20° to 70° C (-4° to 158° F) |

Warranty & Regulatory

| | |
|----------|--|
| Warranty | According to FLIR RMA Policy and Process Notice document |
| USA | UL, FCC Part 15 (subpart B, class A) |

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 Excluding countries where disallowed

² 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 |

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