



# FLIR Quasar™ Hemispheric Mini-Dome AI

## 12 MP Camera with Edge AI Video Analytics

[www.flir.com/products/Quasar-Hemispheric-Mini-Dome-AI](http://www.flir.com/products/Quasar-Hemispheric-Mini-Dome-AI)



### Key Features

- Edge AI Video Analytics onboard for person/vehicle, intrusion/region/tripwire, object counting, loitering, stopped vehicle, abandoned object, object removal, wrong direction and camera detection
- Superior Image Quality and storage for lower total cost of ownership
- Powerful encoding for extra streams and FPS options Easy setup and control via United VMS and 3rd party software.
- Cyber compatible via ONVIF and cyber-certified with key 3rd party VMS.
- Fully NDAA-compliant for government and critical infrastructure facilities

### Main Applications

- Commercial buildings and critical infrastructure sites
- Intrusion detection and round the clock site surveillance

### SPECIFICATIONS

|                                    |                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------|
| Product                            | CM-6412-H2-IA                                                                                     |
| Automatic electronic shutter (AES) | Auto shutter + max gain off                                                                       |
| Digital slow shutter (DSS)         | 1/60, 1/30, 1/15, 1/8, 1/4, 1/2, 1/1                                                              |
| Automatic gain control (AGC)       | Shutter Priority                                                                                  |
| Backlight compensation             | On/Off                                                                                            |
| White Balance                      | Auto/One Push/ATW/Manual                                                                          |
| Sensitivity                        | Color 0.1 lux B/W 0.01 lux                                                                        |
| Noise reduction                    | 2DNR, 3DNR, color NR                                                                              |
| Signal-to-noise ratio (SNR)        | >50 dB                                                                                            |
| AI video analytics                 | Yes                                                                                               |
| Day/night modes                    | Automatically removable IR-cut filter                                                             |
| Image Settings                     | Color, Brightness, Sharpness, Contrast, White                                                     |
| Lens Type                          | Fixed focal length: 1.65 mm<br>Field of view: 360°                                                |
| <b>Video</b>                       |                                                                                                   |
| Compression                        | Up to 4 individually configurable streams in H.265/H.264/MJPEG                                    |
| Corridor Mode                      | 90°, 180°, 270° rotation                                                                          |
| Maximum Performance                | Up to 4 individually configurable streams in H.265/H.264/MJPEG                                    |
| Bandwidth                          | Configurable between 64 Kbps and 20480 Kbps                                                       |
| Rate control                       | CBR, CVBR, VBR                                                                                    |
| SD card recording                  | MicroSDXC up to 2 TB, SD Bus Mode UHS I (not included)                                            |
| Streaming Resolution               | Front-end dewarping: Maximum resolution 9 MP                                                      |
| <b>Network</b>                     |                                                                                                   |
| Network protocols                  | IPv4, IPv6, HTTP, HTTPS, .UPnP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, IEEE 802.1X |

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Network APIs                     | ONVIF Profile S/G/Q/T/M conformant                                                                                                       |
| Ethernet                         | 10/100,1000 IEEE 802.3, auto sensing 1 × RJ45                                                                                            |
| Firmware upgrade                 | Flash memory for upgrade of camera firmware over the network                                                                             |
| Supported web browser            | Chrome, Edge, Internet Explorer, Firefox, Opera                                                                                          |
| Security                         | Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, Service Firewall |
| Remote configuration             | Via web browser or supported video management software                                                                                   |
| <b>Physical</b>                  |                                                                                                                                          |
| Weight                           | 565 g 1.25 lbs                                                                                                                           |
| Dimensions (Diameter)            | 130 × 57.8 mm (5.11 × 2.27 in)                                                                                                           |
| <b>Electrical</b>                |                                                                                                                                          |
| Input Voltage                    | 12 VDC, 24 VAC, PoE+ IEEE 802.3at                                                                                                        |
| Power consumption                | PoE IEEE802.3af: 9.12 W<br>DC 12 V: 9.9 W                                                                                                |
| IP Rating (Dust & Water Ingress) | IP66                                                                                                                                     |
| <b>Environmental</b>             |                                                                                                                                          |
| Operating temperature            | -10°C to 55°C without heater<br>-30°C to 55°C with heater                                                                                |
| Storage temperature              | -20°C to 70°C (-4°F to 158°F)                                                                                                            |
| Humidity                         | 10%–90%, No Condensation                                                                                                                 |
| Shock and vibration              | International standard IEC60068                                                                                                          |
| SD Card                          | Support microSD/microSDHC/microSDXC card size up to 1TB                                                                                  |

Specifications subject to change. For the most up-to-date specifications, please visit [flir.com](http://flir.com).

For technical or sales support, please visit:  
[www.flir.com/about/general-inquiries](http://www.flir.com/about/general-inquiries)

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### SPECIFICATIONS, CONT.

| Video Analytics        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Classified Object Type | Person/Vehicle                                                                                                                               |
| AI Analytics events    | Intrusion - Region / Tripwire, Object Counting, Loitering, Stopped Vehicle                                                                   |
| VMD Analytics events   | Object, Object Removal, Wrong Direction—corridor use case, Camera Sabotage                                                                   |
| Intelligence           | People counting on Latitude 9.2.1 and above                                                                                                  |
| Physical               |                                                                                                                                              |
| Analytics Management   | Web-based configuration and management, masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control |
| SOE                    | Video & Snapshot to SD Card                                                                                                                  |
| IR Illumination        | 5 m, 940 nm                                                                                                                                  |
| Alarm                  | Alarm in x1, Alarm out x1, Terminal Block Power 2 Pin Terminal Block                                                                         |
| Audio Codec            | G.711/G.726/AAC/LPCM                                                                                                                         |
| MTBF (hrs)             | 526,279 (30°C); 149,537 (60°C)                                                                                                               |

| Compliance & Certifications |                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compliance                  | FCC Part 15 (Subpart B, class A, ICES-003), CE Marked, RoHS, RCM, LVD, IEC 60950-22, IEC 62471, IK10, IP66, WEEE, Bump, Vibration, ISTA-3A, CB-62368 |

| Accessories  |                                    |
|--------------|------------------------------------|
| CX-ARMX-G4F  | Wall Mount Bracket kit             |
| CM-CAPX-G4F  | Pendant Cap kit                    |
| CM-RCSD-G4-F | Recessed Mount kit (Ceiling Mount) |
| CM-4S-G4F 4S | Box Adaptor                        |

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For more information  
about FLIR Quasar™  
Hemispheric Mini Dome  
AI please scan or visit:



For technical or sales support, please visit:  
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