



## 5MP HD AND 4K UHD CAMERAS

# FLIR QUASAR™ PREMIUM MINI-DOME

The FLIR Quasar premium mini-dome camera was designed to provide situational awareness in the most demanding environments, where evidential and forensic video is required. It is offered in a 5MP HD and 4K UHD variant, delivering superior image quality and IR-illumination for exceptional performance using low bandwidth. Ideal for critical infrastructure sites, remote facilities or any large areas requiring close monitoring, the Quasar premium mini-dome is a discreet surveillance option that is NDAA-compliant and utilizes high-end cybersecurity safeguards. Ease of installation, FLIR accessory/mounting ecosystem and the ability to operate more cameras on the same server all contribute to a lower total cost of ownership. It offers seamless integration with a wide range of video management systems, including United VMS, which brings indoor and outdoor surveillance and perimeter intrusion detection cameras together as part of an end-to-end security solution.



### PURPOSE-BUILT FOR HARSH ENVIRONMENTS

Rugged design extends product life, minimizes corrective maintenance, and optimizes total cost of ownership

- IK10 vandal protected for prison, transport, city surveillance, and public access facilities
- IP66 environmental protection with extended operating temperature range from -55°C to 60 °C (-67°F-140°F) & cold start -40°C (-40°F)
- Works in no light conditions with on-board IR-Illumination up to 40m
- Suitable for port and other marine environments with salt tolerance



### VERSATILE, INTUITIVE, SECURE

Install and set up camera with United VMS within minutes to minimize installation costs

- Wall or ceiling-mounted in indoor or outdoor applications
- ONVIF conformant, NDAA-compliant, and cyber-certified with key 3rd party VMS
- Powerful encoding engine, optimized image compression, and streaming customization helps minimize disc space requirements
- Record on the edge with on-board 512GB SD-card, while adding redundancy to the system



### SUPERIOR IMAGE QUALITY

Optimal performance for surveillance and forensic reporting

- Advanced low light performance provides optimized picture quality on demanding lighting conditions with market leading low light sensitivity requiring only 0.04 lux (4K) to produce a color picture
- 3 shutter Wide Dynamic Range (130dB) provides optimal light balance to get the best details for the whole picture on scenes with different light conditions
- Supports wide 1G network for better streaming and no bandwidth issues

Camera	CM-6408, 4K UHD	CM-6405, 5M HD
Image Sensor	1/1.8" CMOS	1/2.7" CMOS
Sensor Resolution	3864x2180	2688x1944
Scanning Mode	Progressive	
Lens Type	Varifocal 4.46-11mm, 40.43°-110.76° HFOV, 22.65°-57.14° VFOV, F1.47-F2.5, D/N, Zoom, Auto-Focus / Auto-Iris, P-Iris	Varifocal 2.7-12mm, 31.53°-102.14° HFOV, 22.71°-70.28° VFOV, F1.6, D/N, Motorized Auto-Iris, P-Iris
Digital Slow Shutter (DSS)	1/1(1)-1/60(50) NTSC(PAL)	
White Balance	Auto / ATW / Manual / One Push	
Automatic Gain Control (AGC)	Auto	
Back Light Compensation	On / Off	
Shutter WDR	130dB	
Noise Reduction	3D/2D/Color	
Tamper Detection	Yes	
Privacy Zones	Yes	
Video Motion Detection	Yes	
Day / Night Mode	Yes	
Mechanical IR Cut Filter	Yes	
Signal to Noise Ratio (SNR)	±50 dB	
Automatic Electronic Shutter (AES)	1/1 to 1/32,000	
Sensitivity	0.04 (color) / 0.002 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE	0.08 (color) / 0.008 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE
<b>Video</b>		
Compression	Enhanced H.265 Main Profile + Enhanced H.264 Main/High/Baseline Profile + MJPEG*	
Maximum Performance	H.264/H.265 30/25 FPS @ 4K (NTSC/PAL) + 30/25 FPS @ D1 or H.264/H.265 15/12 FPS @ 4K + 1080P + D1 (NTSC/PAL) or H.264/H.265 60/50 FPS @ 1080P + 30/25 FPS @ 720P + D1 (NTSC/PAL)	H.264/H.265 30/25 FPS @ 5M (NTSC/PAL) + 30/25 FPS @ D1 or H.264/H.265 15/12 FPS @ 5M + 1080P + D1 (NTSC/PAL) or H.264/H.265 60/50 FPS @ 1080P + 30/25 FPS @ 720P + D1 (NTSC/PAL)
Resolution Range	Scalable from QCIF to 4K	Scalable from QCIF to 5MP
Bandwidth	Configurable between 64Kbps and 20Mbps	
Rate Control	CBR, CVBR, LBR, MJPEG	
SD Card Recording <sup>1</sup>	microSD/microSDHC/microSDXC 8GB to 512GB (Class 10)	
<b>IR Illuminator</b>		
Distance	Up to 40m (131 ft.) Sunshield 28m (91.8 ft.)	
Peak Emission Wavelength (nm)	850	
<b>Network</b>		
Network Protocols	IPv4/6, HTTP, HTTPS, UPnP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, IEEE 802.1X, SNMP, CoS, TLS, SMTP, FTP, DDNS, PPPoE, RTCP	
Ethernet	10/100/1000, IEEE 802.3, auto sensing 1 x 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, Firefox, Chrome, Edge, Safari	
Security	Password protection, IP address filtering, TLS/HTTPS, IEEE 802.1X network access control, Digest authentication, Password policy Protect from p multiple failure login	

Camera	CM-6408, 4K UHD	CM-6405, 5M HD
<b>Audio</b>		
Bi-Directional Audio	1 Audio Line Input, G.711 a/μ-law, AAC support + 1 Audio Line Output	
<b>Alarm</b>		
Input	1 dry alarm contact 1 5V 10kΩ pull up	
Output	1 Relay Contact max. DC 5V 130mA	
<b>Physical</b>		
Enclosure	Indoor/Outdoor: IK10 rated vandal IP66	
Dimensions	161x128.6mm (6.3 x 5 in.)	
<b>Mechanical</b>		
Pan / Tilt / Spin	356° / ±80° / ±98°	
<b>Electrical</b>		
Input Voltage	PoE (IEEE802.3af, class 0) AC24V, max 13.68 watt	
Power Consumption	12.5W with heater and IR	11.5W with heater and IR
Power Connector	RJ45 & 24VAC	
<b>Environmental</b>		
Operating Temperature	-30°C-60°C (-22°F-140°F) without heater -55°C-60°C (-67°F-140°F) with heater Cold start -40°C-60°C (-40°F-140°F) with heater	
Storage Temperature	-20°C-70°C (-4°F-158°F)	
Humidity	90% (non-condensing)	
<b>Warranty &amp; Regulatory</b>		
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	
#1	1 Excluding countries where disallowed	

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

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.

**CORPORATE HEADQUARTERS**  
FLIR Systems, Inc.  
1201 S. Joyce Street  
Suite C006  
Arlington, VA 22202  
USA  
PH: +1 703.682.3400

**FLIR SECURITY HEAD OFFICE**  
FLIR Systems, Inc.  
6769 Hollister Ave.  
Goleta, CA 93117  
USA  
PH: +1 805.690.6600

[www.flir.com](http://www.flir.com)  
NASDAQ: FLIR

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2021 FLIR Systems, Inc. All rights reserved. 01/28/21

20-0736-SEC-Mini-Dome-Datasheet



The World's Sixth Sense®