



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
Video		
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 ¹	microSD/microSDHC/microSDXC 8GB to 512GB (Class 10)	
IR Illuminator		
Distance	Up to 40m (131 ft.) Sunshield 28m (91.8 ft.)	
Peak Emission Wavelength (nm)	850	
Network		
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
Audio		
Bi-Directional Audio	1 Audio Line Input, G.711 a/μ-law, AAC support + 1 Audio Line Output	
Alarm		
Input	1 dry alarm contact 1 5V 10kΩ pull up	
Output	1 Relay Contact max. DC 5V 130mA	
Physical		
Enclosure	Indoor/Outdoor: IK10 rated vandal IP66	
Dimensions	161x128.6mm (6.3 x 5 in.)	
Mechanical		
Pan / Tilt / Spin	356° / ±80° / ±98°	
Electrical		
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	
Environmental		
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)	
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	
#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

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
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®