

Quasar
by *dv*tel



Highest Quality. Lowest Bandwidth. Predictable Storage.

Quasar CM-6208-11-I

4K Ultra HD Mini-dome

The next generation of Quasar cameras brings the most advanced technologies with 4K Ultra HD, the new evidentiary standard, and building on the proven foundation of best in class broadcast quality cameras.

Offering the industry's lowest bandwidth through its broadcast motion processing architecture, the 4K Ultra HD camera series delivers predictable storage, lower utility costs and a reduction in your Total Cost of Ownership (TCO).

Now you can... get the 4K evidence you need at a cost you can afford. Deploy a 4K Ultra HD surveillance solution that easily handles wide variations in motion and lighting found in airports, city surveillance projects, critical infrastructure sites, commercial offices and campuses utilizing the most technologically advanced HD IP camera.



FEATURES

- Broadcast Quality Video
- Multi-streaming at the highest frame rates
- 4K Ultra HD at full frame rate and the lowest bit rate
- P-Iris
- Indoor/Outdoor
- Vandal Resistant
- IR Illumination
- Web interface for viewing and configuration



dvtel[®] Now you can.
VIDEO INNOVATION TO SECURE YOUR BUSINESS





Quasar CM-6208-11-I

4K Ultra HD Mini-dome

General Specifications

| Camera | |
|------------------------------------|---|
| Image Sensor | 1/1.7" CMOS |
| Sensor Resolution | 12M 4072x3076 |
| 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 | Varifocal: 3-8 mm F1.2 Auto-Iris/P-Iris D/N Horizontal viewing angle: 40° to 110° Motorized with auto-focus |
| 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 (WDR) | On / Off - 3 levels |
| 3D Noise Reduction | On / Off - 6 levels |
| Tamper Detection | On / off / schedule |
| Privacy Zones | On / Off - 5 zones |
| Video Motion Detection | On / off / schedule |
| Day / Night Mode | Smart IR / auto / on/off / light sensor |
| 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 @ UHD 4K (NTSC/PAL) or H.264 15/12 FPS @ UHD 4K + FHD 1080p + HD 720p + D1 (NTSC/PAL) |
| Resolution Range | Scalable from CIF to UHD 4K |
| Bandwidth | Configurable between 64Kbps and 8Mbps |
| Rate Control | CBR/VBR |
| SD Card Recording* | SDHC up to 64GB |
| 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 90° |
| Number of IR LEDs | 6 high power / high efficiency SMD type |
| Peak Emission Wavelength (nm) | 850 |

Camera Ordering Information

| Type | Series | Camera Resolution | Lens Options | Environmental | IR Illuminator |
|------------------|--------|--------------------|--------------|-----------------------------|--------------------------------|
| CM | - | 62 | 08 | - | 1 |
| Mini-Dome Camera | - | 62 = Quasar Gen II | 08 = 4K UHD | - | 1 = 3-8mm Motorized Auto Focus |
| | | | | 1 = IP66 Vandal with Heater | - |
| | | | | | 1 = 90° Illuminator |

| 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) |
| Configuration | Remote: via web access 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 8+ |
| 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 | 164 x 104 mm (6.43 x 4.09 in.) |
| Unit Weight | 0.5 Kg (1.1 lbs.) |
| Mechanical | |
| Bubble Rating | IK10 vandal resistant polycarbonate |
| Bubble F-Stop | F0.0 - clear bubble / F1.0 - smoke bubble (option) |
| Pan / Rotate / Tilt | 350, 350 and ±90° |
| Electrical | |
| Input Voltage | 12 VDC / 24 VAC ±10% or 802.3af PoE |
| Power Consumption | 6W indoor or 13W outdoors with heater / IR |
| Power Connector | AC / DC terminal block or PoE |
| Environmental | |
| Operating Temperature** | -40° to 50° C (-40° to 122° F) |
| Storage Temperature | -20° to 70° C (-4° to 158° F) |
| Humidity | 90% (non-condensing) |
| Warranty & Regulatory | |
| Warranty | According to DVTEL 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 DVTEL Price List and Camera Accessory Guide.

* Excluding countries where disallowed

** Outdoor IR models support -25° C for cold start with POE