



QUASAR CM-4321 SERIES

Low Profile HD 1080p Mini-dome



The DVTEL Quasar series CM-4321 camera is an HD 1080p H.264 IP low profile mini-dome network camera with broadcast quality motion processing technology.

Now you can...deploy the highest quality video surveillance solution that easily handles the wide variations in motion and lighting found in locations that require discrete installations like campuses, offices and retail businesses.

Quasar technology guarantees not to drop frame rates while ensuring predictable storage at one of the lowest bandwidths in the industry. Reduce your Total Cost of Ownership (TCO) through significant cost savings in storage and lifecycle management.

FEATURES

- HD Broadcast Quality H.264 Video
- Discreet low profile design
- Multi-streaming at the highest frame rates
- HD 1080p at the lowest bit rates
- Basic analytics:
 - Tamper Detection
 - Multi-zone VMD
- Wide Dynamic Range (WDR)
- Unicast or multi-cast
- Web interface for viewing, control & configuration

| Features | Benefits |
|--|--|
| • Broadcast quality multi-stream H.264 video | • Crisp, clean video for supreme identification |
| • Guaranteed frame rates (up to 30fps) even in complex, high motion scenes | • Maintains evidentiary integrity of video in challenging surveillance conditions |
| • Broadcast quality motion processing architecture | • Maintains lowest bit rates regardless of motion/scene complexity; lowers TCO and delivers predictable storage and network requirements |
| • Auto-tune technology | • Best out-of-the-box experience with no adjustments; auto scene adaptation eliminates service calls |
| • 4 year+ warranty* | • Manages lifecycle costs / TCO |
| • Edge-based recording and meta data | • Protects against network outages |
| • Low profile design | • Big Quasar performance in an ultra small package |

* No less than 4 years from date of purchase



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General Specifications

| Camera | |
|------------------------------------|---|
| Image Sensor | 1/2.7" HD 1080 CMOS |
| Sensor Resolution | 2.1MP 1920x1080 |
| Scanning Mode | Progressive |
| Sensitivity | 0.5 (color) measured with DSS OFF at 30 IRE |
| Lens Type | 4mm F1.5 / 78° HFOV 2.8mm F2.0 / 110° HFOV |
| Digital Slow Shutter (DSS) | 1.0 to 1 / 10,000 with up to 32x sensitivity boost in color or night mode |
| Automatic Electronic Shutter (AES) | 1.0 to 1 / 10,000 (auto) |
| Wide Dynamic Range (WDR) | On / Off - 3 levels |
| 3D Noise Reduction | On / Off - 6 levels |
| Tamper Detection | On / Off |
| Privacy Zones | On / Off - 5 zones - 8 colors |
| Video Motion Detection | Up to 10 independent zones |
| Night Mode | Digital night mode |
| Mechanical IR Cut Filter | No |
| Signal to Noise Ratio (SNR) | ±50 dB |
| Video | |
| Compression H.264 | Fully compliant multi-stream H.264 main profile + MJPEG |
| Maximum Performance | 30fps@HD1080p + 30fps@D1 or 15+15@HD1080p |
| Resolution Range | Scalable from CIF to HD 1080p |
| Bandwidth | Configurable between 64Kbps and 8Mbps |
| Rate Control | CBR/VBR |
| SD Card Recording* | SDHC/SDXC up to 32GByte |
| Audio | |
| Uni-directional Audio | Integrated microphone |
| Network | |
| Network Protocols | IPv4/v6, TCP/IP, UDP Unicast / Multicast, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF Profile S, IEEE 802.1X |
| Ethernet | 10 / 100 Base-T 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 / 2GB RAM) |
| Supported Web Browser | Internet Explorer 6.0+ |
| Security | User account and password protection |

| Physical | |
|-----------------------|---|
| Dimensions | Indoor: 110.2 x 47.7 mm (4.3 x 1.9 in.) |
| Unit Weight | 180 g (0.40 lbs.) |
| Mechanical | |
| Bubble F-Stop | F0.0 - clear bubble |
| Pan / Tilt | 160° Pan / 90° Tilt |
| Electrical | |
| Power | 802.3af PoE |
| Power Consumption | 3.5W |
| Power Connector | PoE |
| Environmental | |
| Operating Temperature | 0° to 50° C (32° to 122° F) |
| Storage Temperature | -20° to 70° C (-4° to 158° F) |
| Humidity | 95% (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

| Part Number | Description |
|-------------|--|
| CM-CAPX-43W | Indoor wall mount kit, includes pendant cap threaded wall mount bracket. |
| CM-CAPX-43P | Indoor Pendant Cap |

* Excluding countries where disallowed

Camera Ordering Information

| Type | Series | Camera Resolution | Included Analytics | Lens Options | Environmental |
|------------------|--------|-------------------------|--------------------|---|---|
| CM | - | 43 | 2 | 1 | - X |
| Mini-Dome Camera | - | 43 = Quasar Low Profile | 2 = HD 1080p | 1 = Intelligent Multi-zone VMD and Tamper Detection | - 0 = 4.0 mm 3 = 2.8 mm 0 = Indoor Tamper Resistant |