Quasar
by dvtel

Highest Quality. Lowest Bandwidth. Predictable Storage.

QUASAR CF-4221 SERIES

HD 1080p Fixed

Now you can…enjoy Quasar HD 1080p broadcast quality video from a fixed camera. Indoors and outdoors, the Quasar family of fixed IP cameras delivers one of the lowest bandwidths in the industry and guarantees frame rates in high motion, complex and low light scenes.

The advanced H.264 motion processing technology inside Quasar will reduce the Total Cost of Ownership (TCO) of your camera system by delivering supreme quality at 1/3 of the storage. Predictable storage means costs savings to you. Quasar's 4-year+ warranty also allows you to manage lifecycle costs.

Installations with wide variations in motion and lighting such as airports, campuses, municipalities and critical infrastructure sites are now easily covered with this technologically advanced HD camera that delivers the best-out-of-box experience through its auto-tune technology.

Features	Benefits
• Broadcast quality multi-stream H.264 video	• Crisp, clean video for supreme identification
• Guaranteed frame rates in complex, high motion scenes	• Maintains evidentiary integrity of video in challenging surveillance conditions
• Broadcast quality motion processing	• Maintains lowest bit rates regardless of motion/scene complexity; lowers TCO with 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

* No less than 4 years from date of purchase

HD 1080p

FEATURES

- HD Broadcast Quality H.264 Video
- Multi-streaming at the highest frame rates
- HD 1080p at the lowest bit rates
- Standard analytics:
  - Tamper Detection
  - Multi-zone VMD
- Wide Dynamic Range (WDR)
- Privacy Masking
- Bi-directional audio
- Web interface for viewing, control & configuration

dvtel® *Now you can.*

VIDEO INNOVATION TO SECURE YOUR BUSINESS

ONVIF

General Specifications

Camera	
Image Sensor	1/2.7" HD 1080 CMOS
Sensor Resolution	2.1MP 1920 x 1080
Scanning Mode	Progressive
Sensitivity	Color: 0.1 Lux @ f1.4 / Night Mode: 0.03 Lux @ F1.4 at 30 IRE
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
Automatic Gain Control (AGC)	Auto
Backlight Compression	On / Off
Iris Control	DC 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
Video Motion Detection	On / Off - 10 zones
Day / Night Mode	Smart IR / auto / on/off
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	≥50 dB
Video	
Compression	Fully compliant multi-stream H.264 main profile + MJPEG
Maximum Performance	H.264 30/25 FPS @ HD1080 + 30/25 FPS @ D1 or 30+30 / 25+25 @ HD720
Resolution Range	Scalable from CIF to HD1080 (1920x1080)
Bandwidth	Configurable between 64Kbps and 8Mbps
Rate Control	CBR/VBR
SD Card Recording*	SDHC up to 32GByte
Audio	
Bi-Directional Audio	Full duplex, line / mic in and line out, G.711, G.726
Audio Connections	3.5 mm audio jacks
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 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)

Alarm	
Input	1 dry alarm contact
Output	1 relay contact, 60V AC / DC at 130 mA maximum
Physical	
Dimensions	115 L x 82 W x 52 H mm (without lens)
Unit Weight	398 g (14 oz.)
Mechanical	
Lens Mount	C or CS lenses with manual or DC auto-iris
Enclosure	Metal case with 1/4 in. UNC-20 screw mounts on top and bottom
Electrical	
Input Voltage	12 VDC / 24 VAC ±10% or 802.3af PoE
Power Consumption	6W
Power Connector	12 VDC / 24 VAC terminal block
Environmental	
Operating Temperature	Indoor: 0° to 50° C (32° to 122° F) Outdoor installation requires optional environmental housing (-30° to 50° C when used with CF-X200-01)
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

Accessories

Part Number	Description
CF-L131-31	Lens 3.1 - 8 mm F1.2 3MP lens, auto-iris, IR corrected
CF-L131-08-50	Lens 8-50 mm, F1.6, 1/2.7, 3MP, auto iris, IR corrected
CF-L131-08	Lens 8.0-80 mm, F1.4, 1/2, 3MP, auto iris, IR corrected
CF-L131-12	Lens, 12.5-50 mm F1.4, 1/2.7, 3MP, auto iris, IR corrected
CF-X100-00	Indoor fixed mount bracket
CF-X200-01	Outdoor fixed camera housing - heater / blower includes bracket mount
CF-X200-POLE	Pole mount for outdoor fixed box camera housing

Refer to lens selector guide for a complete list.
Note: Lenses are not included and must be purchased separately

*   *Excluding countries where disallowed*

Camera Ordering Information

Type		Series	Camera Resolution	Included Analytics		Lens
CF	-	42	2	1	-	0
Fixed Camera	-	42 = Quasar	2 = 2.1 MP	1 = Intelligent Multi-zone VMD and Tamper Detection	-	0 = Day / Night

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CF4221-012414

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