

Altitude CM-4000 Low Profile HD Mini-Dome Camera

High Definition/Megapixel Network Fixed Cameras



1/3 Inch High Definition H.264 Discrete Surveillance Camera Camera

The Altitude CM-4000 is part of the HD-Elite family line of professional IP security cameras. These cameras are high definition, discrete mini-dome networked-based cameras which incorporate the latest fully digital CMOS imaging systems.

The Altitude CM-4000 cameras are ideal in both indoor and selected outdoor applications. This camera is the preferred choice for use in campus installations, and general office monitoring where highly detailed imagery is required at the lowest total cost of ownership.

The camera provides video streams in H.264 (ISO) for up to 30 Frames Per Second (FPS) (HD720p) or 15 FPS (HD1080p). This affords excellent image response and efficient bandwidth utilization.

In addition, DVTel's Scene Adaptive Algorithms provide the highest image quality at the lowest bandwidth and storage requirements.

IEEE compliant, the entire Altitude Series of network cameras utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

Power over Ethernet supplies power to the camera via the network, eliminating the need for additional cabling and reducing installation costs.

DVTel offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera and Encoder Family Guide at www.dvtel.com/products/edge-devices to explore your options.

- **H.264 Video**
- **Up to 30 FPS**
- **2.1 Megapixel / HD1080p**
- **SD Slot Available***
- **Unicast or Multicast**
- **PoE Power**
- **Web Interface for Viewing, Configuration and Control**

* Edge recording support in future firmware versions

Altitude CM-4000 Series

Network High Definition Fixed Cameras

General Specifications

Camera	Coor Day/Night
Image Sensor	1/2.7 HD1080 CMOS
Sensor Resolution	2.1MP 1920x1080
Scanning Mode	Progressive
Sensitivity	0.5 Lux
Digital Slow Shutter Speed (DSS)	1.5 to 1/10,000 with up to 32x Sensivity Boost
White Balance	Auto / Indoor / Outdoor
Lens	Fixed focal Length 4mm f1.6
Backlight Compensation (BLC)	On/Off
Automatic Electronic Shutter (AES)	1.5 to 1/10,000 (Auto)
Privacy Mask	Transparent / Color
Motion Detection	Multi-zone VMD
Signal to Noise Ratio (SNR)	≥50dB
Video	
Compression	H.264 Main Profile (MPEG4-Part 10)
Performance	15 fps @ full HD1080p (1920x1080) / 30 fps @ HD720p (1280x720), or dual streaming with 720p@30fps+D1@30fps
Resolution Range	Scalable from VGA to 1920x1080 (HD1080p)
Bandwidth	Configurable between 64 Kbps and 8 Mbps
Communication	
Network Protocols	Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP Others: DNS, HTTP server, IGMP V1/V2, Telnet client and DHCP client*
Ethernet	10/100 Base-T Auto sensing, Half/Full Duplex (RJ45)
Management	
Configuration	Remote: Via Web Access, or Supported Video Management Software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
Regulatory	
USA	FCC part 15 (subpart B, class A) UL C/UL
Europe	CE marked, EN55022-1998 Class A, EN55024
Warranty	
	2-year limited warranty, covering parts



Altitude CM-4000 Series

Other Specifications

Physical	
Dimensions (Diameter x H)	110mm x 50mm (4.3" x 2.0")
Unit Weight	180 g (6.4 oz)
Unit Shipping Weight	300 g (12 oz)
Mechanical	
Enclosure	IP66 Vandal Resistant Plastic with Polycarbonate Bubble
Electrical	
Input Voltage	802.3af PoE
Power Consumption	3.8 Watts
Environment	
Operating Temperature	0°F to 122°F (-18°C to +50°C)
Storage Temperature	-4° to 158° F (-20° to 70° C)
Humidity	90% (non-condensing)

Camera Ordering Information

Type	Series	MP Resolution	Intelligence Package	Imager Package
CM	-	4	0	2
Mini-Dome	-	4 = HD-Elite Series	0	2 = 2.1MP
			1 = Intelligent Multi-Zone VMD	
				0 = Fixed 4mm Lens

*DHCP Client not supported by Latitude NVMS or Solus VMS