

# Altitude CM-4200 HD Mini-Dome Camera

## High Definition/Megapixel Network Fixed Cameras



### 1/3 Inch High Definition H.264 Day/Night Camera

The Altitude CM-4200 series are high definition resolution, fixed mini-dome IP cameras which incorporate a high-resolution, fully digital front end imaging system and comes standard as a surface mount with a 2.7-9mm Day/Night lens with a mechanical IR cut filter for infrared sensitivity and a list of mounting options for performance in most environments.

The Altitude CM-4200 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in Airports, Detentions/Prisons, Municipal applications, Seaports, Tollway/Traffic installations and more

Reduced installation costs and more consistent results - the CM-4200 features a unique no-tools modular snap-in chassis and fully automatic image quality settings. These features provide the highest image quality and consistent project results at the lowest possible installation costs.

The camera provides dual H.264 video streams for up to 30 Frames Per Second (FPS). 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](http://www.dvtel.com/products/edge-devices) to explore your options.

- H.264
- Up to 30 FPS - all Resolutions
- WDR & 3D Noise Reduction
- Tamper Detection
- Motorized Lens option
- Privacy Masking
- 2.1 Megapixel/HD1080p
- SD Slot Available<sup>1</sup>
- 1 Alarm Input/1 Relay Output
- Unicast or Multicast
- Vandal Resistant Bubble and Housing  
Surface Mount (Standard), Recessed,  
Corner Indoor Tamper or Indoor /  
Outdoor Vandal housing options and  
Pendant Mount options
- 12VDC/24VAC and PoE Power Options
- Web Interface for Viewing,  
Configuration and Control

<sup>1</sup>Edge recording support in future firmware versions

# Altitude CM-4200 Series

## Network High Definition Mini-Dome Cameras

### General Specifications

Camera	Day/Night Color
Image Sensor	1/3" HD1080 CMOS
Sensor Resolution	2.1MP 1920x1080
Scanning Mode	Progressive
Sensitivity	0.3 Lux color / 0.04 Lux Night Mode @ F1.2
Digital Slow Shutter (DSS)	1.5 to 1/10,000 with up to 32x Sensitivity Boost in Color or Night Mode
White Balance	Auto / Indoor / Outdoor
Backlight Compensation (BLC)	On / Off
Automatic Electronic Shutter (AES)	1.5 to 1/10,000 (Auto)
Iris Control	DC Auto
WDR	On/Off - 3 Levels
3D Noise Reduction	On/Off - 6 Levels
Tamper Detection	On/Off
Day/Night Mode	Auto / On/Off
Privacy Zones	On/Off - 5 Zones
Mechanical IR Cut Filter	Yes
IR Sensitivity	Yes - 680 – 1100nm
Signal to Noise Ratio (SNR)	≥50dB
<b>Video</b>	
Compression	Fully Compliant H.264 (MPEG4-Part 10), dual streaming
Performance	30 FPS @ 1920 x 1080 (HD1080p) , dual streaming with 30fps @HD720p + 30fps @D1
Resolution Range	Scalable from CIF to 1920 x 1080 (HD1080p)
Bandwidth	Configurable between 64 Kbps and 8 Mbps
<b>Communication</b>	
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)
<b>Management</b>	
Configuration	Remote: Via Web Access, or Supported Video Management Software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
<b>Regulatory</b>	
USA	FCC part 15 (subpart B, class A) UL
Europe	CE marked, EN55022-1998 Class A, EN55024
<b>Warranty</b>	
	2-year limited warranty, covering parts

### Accessories - See Price Guide for Complete List

CX-SMOKE-0	Smoked Bubble	CX-ARMX-0	Short Wall Bracket
CM-RCSD-0	Recessed Kit	CX-ARMX-1	Long Wall Bracket
CX-TRIA-0	Interior Corner Mounting Kit	CX-POLE-0	Pole Bracket
CM-CAPX-0	Pendant Kit		

### Camera Ordering Information

Type	Series	Resolution in MP	Intelligence Package	Imager Package	Option 1			
CM	-	4	2	2	1	-	X	X
Mini-Dome Camera	-	4-HD-Elite Series	2	2 = 2.1MP	1 = Intelligent Multi-Zone VMD with Tamper Detection	-	0 = 2.7-9mm D/N 1 = 2.7-9mm D/N Motorized	0 = Indoor Tamper Housing 1 = Indoor / Outdoor Vandal Housing



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### Other Specifications

<b>Alarm</b>	
Input	1 Dry Alarm Contact
Output	1 Relay Contact, 60V AC/DC at 1000mA max.
<b>Physical</b>	
Enclosure	IK10 Vandal Aluminum Casting with Polycarbonate Bubble
Dimensions	148mm diameter x 135mm 5.8" x 5.3"
Unit Weight	2.0 Lbs. (0.9Kg)
Unit Shipping Weight	2.6 Lbs. (1.2Kg)
<b>Mechanical</b>	
Bubble Rating	IK10 Vandal Resistant Polycarbonate
Bubble F-Stop	F0.0 - Clear bubble F1.0 - Smoke bubble (option)
Pan, Rotate and Tilt	350, 350 and +/-90 deg
<b>Electrical</b>	
Input Voltage	12VDC/24VAC ±10% or 802.3af PoE or 802.3at PoE+
Power Consumption	6W Indoor or 13W outdoors with heater / fan
Power Connector	AC/DC Terminal block or PoE
<b>Environment</b>	
Operating Temperature	Indoor 0° to 50°C (32° to 122°F) Outdoor -30° to 50°C (-22° to 122°F)
Storage Temperature	-4° to 158° F (-20° to 70° C )
Humidity	95% (non-condensing)

\*DHCP Client not supported by Latitude NVMS or Solus VMS