

Altitude CF-4200 HD Fixed Camera

High Definition/Megapixel Network Fixed Cameras



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

The Altitude CF-4200 is part of the HD-Elite family line of professional IP security cameras. These cameras are high definition, fixed networked-based cameras which incorporate the latest fully digital CMOS imaging systems with WDR, advanced 3D Noise Reduction and automatic Day/Night IR cut filters for infrared sensitivity and will accept any C or CS standard mount lens. All of the CF series cameras can be mounted using conventional box style mounts and housings.

The Altitude CF-4200 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in campus installations, logistics, municipal, transportation, petrochemical and more.

The camera provides H.264 video streams for up to 30 Frames Per Second (FPS) and advanced features including Tamper Detection, Multi-zone Motion Detection, Privacy Zones and 2-way audio. 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.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.

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**
- **Wide Dynamic Range (WDR)**
- **Advanced 3D Digital Noise Reduction**
- **Tamper Detection**
- **Multi-Zone Video Motion Detection**
- **Privacy Zones**
- **Bi-Directional Audio**
- **SD Slot Available¹**
- **1 Alarm Input/1 Relay Output**
- **Unicast or Multicast**
- **12VDC/24VAC and PoE**
- **Power Options**
- **Web Interface for Viewing, Configuration and Control**

¹ Edge recording support in future firmware versions

Altitude CF-4200 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	Color: 0.2 Lux @ F1.4 / Night Mode: 0.03 Lux @ F1.4
Digital Slow Shutter Speed (DSS)	1.5 to 1/10,000 with up to 32x Sensivity 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
Wide Dynamic Range	On/Off - 3 levels
3D Digital Noise Reduction	On/Off - 6 levels
Tamper Detection	On/Off
Privacy Zones	On/Off - 5 Zones
Multi-Zone Motion Detection	Off/On - 8 Zones
Day/Night Mode	Auto / On/Off
Mechanical IR Cut Filter	Yes
IR Sensitivity	Yes: 680 to 1100nm
Signal to Noise Ratio (SNR)	≥50dB
Video	
Compression	H.264 (MPEG4-Part 10) , dual streaming
Performance	30 FPS @ Full HD1080p 1920x1080 , and dual streaming with 30fps @ HD720p + 30fps @D1
Resolution Range	Scalable from CIF to 1920x1080 (HD1080p)
Bandwidth	Configurable between 64 Kbps and 8 Mbps
Audio	
Bi-Directional Audio	Line In/Mic In/Line Out - G.711 and G.726
Audio Connections	3.5mm Audio Jacks
Communication	
Network Protocols	Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP Others: DNS, HTTP server, IGMP V1/V2 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 CF-4200 Series

Other Specification

Alarm	
Input	1 Dry Alarm Contact
Output	1 Relay Contact, 60V AC/DC at 1000mA max.
Physical	
Dimensions (L x W x H)	155 x 82 x 52 mm (without lens)
Unit Weight	14 oz. (398g)
Unit Shipping Weight	22 oz. (625g)
Mechanical	
Lens Mount	C or CS Lenses with manual or DC Auto-Iris
Enclosure	Metal case with ¼-inch UNC-20 screw mounts on top & bottom
Electrical	
Input Voltage	12VDC / 24VAC ±10% or 802.3af PoE
Power Consumption	6 Watts
Power Connector	12VDC/24VAC Terminal block
Environment	
Operating Temperature	32°F to 122°F (0°C to 50°C) Outdoor installation requires optional environmental housing
Storage Temperature	-4° to 158° F (-20° to 70° C)
Humidity	95% (non-condensing)

Accessories List

CF-X100-00	Indoor Fixed Mount Bracket
CF-X100-B1	Outdoor Fixed Housing Bracket
CF-X100-01	Outdoor Fixed Camera Housing-Heater/Blower

A complete list of accessories can be found in the DVTel price list

Camera Ordering Information

Type	Series	MP Resolution	Intelligence Package	Imager Package			
CF	-	4	2	2	1	-	0
Fixed camera	-	4 = HD-Elite Series	2	2 = 2.1MP	1 = Intelligent Multi-Zone VMD	-	0 = Day/Night

*DHCP Client not supported by Latitude NVMS or Solus VMS