



1/3 Inch CCD High Resolution H.264 / MPEG4 VGA Camera

The Altitude CF-1100 is part of the Pro-Classic family line of professional IP security cameras. These cameras are high resolution, fixed networked-based cameras which incorporate fully digital CCD imaging systems and will accept any C or CS standard mount lens. All of the CF series can be mounted using conventional box style mounts and housings.

The Altitude CF-1100 cameras are ideal for indoor applications that demand excellent video quality at the lowest possible bandwidth and storage costs. This camera is the preferred choice for use in Schools, office buildings, restaurants, retail and more.

The camera provides dual video streams in both H.264 and MPEG-4 (ISO) for up to 30/25 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. In most cases, these cameras can maintain high quality real-time 30/25FPS (NTSC/PAL) at VGA resolution starting at less than a megabit per stream.

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.

- **Dual-stream H.264/MPEG-4 Video**
 - **Up to 30 FPS (NTSC)/25 (PAL)**
 - **Bi-directional Audio**
 - **SD Card Slot Available**
 - **2 Alarm Inputs / 1 Relay Output**
 - **Unicast or Multicast**
 - **12VDC/24VAC and PoE**
- Power Options**
- **Web Interface for Viewing, Configuration and Control**

Altitude CF-1100 Series

Network Fixed Cameras

General Specifications

Camera	Color Camera
Image Sensor	1/3" Sony SuperHAD
Sensor Resolution	Scalable from QVGA-VGA: 320x240 to 640x480
Scanning Mode	Interlaced
Sensitivity	0.2 Lux color @ F1.4
White Balance	Auto (On/Off)
Automatic Gain Control (AGC)	On/Off
Backlight Compensation (BLC)	On/Off
Automatic Electronic Shutter (AES)	NTSC: 1/60 to 1/100,000 s, PAL - 1/50 to 110,000 s
Flickerless Mode	On/Off
Iris Control	DC Auto
Signal to Noise Ratio (SNR)	≥50dB
Video	
Compression	H.264 (MPEG4-Part 10), MPEG4 (ISO), Dual Stream selectable
Frame Rate	VGA: 30 NTSC/25 PAL FPS in 1 stream or divided across two streams in all resolutions
Resolution Range	Scalable from QVGA-VGA: 320x240 to 640x480
Bandwidth	Configurable between 64 Kbps and 6 Mbps
Audio	
Bi-directional Audio	Line In/Mic In/Line Out, Compression G.711
Audio Connections	Terminal block
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)
Serial Port	
Standards	RS-422/485 2/4 Wires (maximum of 115Kbps)
Connectors	Terminal block
Operating Mode	Transparent serial port supports any asynchronous serial protocol
Management	
Configuration	Remote: Via Web Access, Telnet, 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, RoHS
Warranty	
	2-year limited warranty, covering parts



Altitude CF-1100 Series

Other Specifications

Alarm	
Input	Input 2 dry contacts
Output	1 Relay Contact, 60V AC/DC at 100mA 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 mount
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-50°C) Outdoor installation requires optional environmental housing
Storage Temperature	32° F to 140° F (0° C to 60° C)
Humidity	90% (non-condensing)

Ordering Information

Type	Series	Resolution in MP	Intelligence Package	Imager Package	Model			
CF	-	1	1	0	N/P			
Fixed camera	-	1 = Pro-Classic Series	1	0 = VGA	1 = Intelligent Multi-Zone VMD	-	0 = Color, Non Day/Night	N = NTSC P = PAL

Accessories List - a complete list of accessories can be found in the DVTEL price list

CF-L101-75	Lens 7.5-50mm f1.3, AutoD/N, IR Corrected	CF-L100-85	Lens 8.5-40mm f1.2, ManD/N, IR Corrected
CF-L101-28	Lens 2.8-12mm f1.2, AutoD/N, IR Corrected	CF-X100-01	Outdoor Fixed Camera Housing-Heater/Blower
CF-L101-03	Lens 3.0-8.5mm f1.2, AutoD/N, IR Corrected	CF-X100-B1	Outdoor Fixed Housing Bracket
CF-L100-03	Lens 3.0-8.5mm f1.2, ManD/N, IR Corrected	CF-X100-00	Indoor Fixed Mount Bracket