

Altitude CM-1100 Series Mini-Dome Camera

Network Fixed Cameras



- **Dual-stream H.264/MPEG-4 Video**
- **Up to 30 FPS (NTSC)/25 (PAL)**
- **Bi-directional Audio**
- **SD Slot Available**
- **2 Alarm Inputs / 1 Relay Output**
- **Unicast or Multicast**
- **Vandal Resistant Bubble and Housing**
- **Surface Mount (Standard), Recessed, Corner and Pendant Mount options**
- **12VDC/24VAC and PoE Power Options**
- **IP66/NEMA 4 Rated**
- **Web Interface for Viewing, Configuration and Control**

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

The Altitude CM-1100 series are fixed mini-dome IP cameras which incorporate a fully digital front end CCD imaging system and comes standard as a surface mount with a 3.3-12mm lens. Additional configurations support extended temperature ranges and a list of mounting options for performance in most environments.

The Altitude CM-1100 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in Schools, office buildings, restaurants, retail and more.

Reduced installation costs and more consistent results: The CM-1100 features a unique no-tools modular snap-in chassis and fully automatic image quality settings that can be fine-tuned via the network after the installation without going back out on the ladder or using a 2-man installation team. These features provide the highest image quality and consistent project results at the lowest possible installation costs.

The camera provides dual video streams in both H.264 and MPEG-4 (ISO) up to a total of 30/25 Frames Per Second (NTSC/PAL) with 100% image quality. 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 full 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. The CM-1100 also features power auto-sensing and rate adaptation to ensure the most efficient use of power with any accepted power supply in all conditions.

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.

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General Specifications

| Camera | Color Day/Night |
|------------------------------------|---|
| Image Sensor | 1/3" Sony CCD |
| Resolution | Scalable from QVGA-VGA: 320x240 to 640x480 |
| Scanning Mode | Interlaced |
| Sensitivity | Color: 0.2 Lux @ F1.4 / Night Mode: 0.03 Lux @ F1.4 |
| Lens Type | Vari-focal 3.3-12mm F1.4 Auto-iris Horizontal Viewing Angle: 24-90 degrees |
| 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 |
| 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 | Fully Compliant H.264 / MPEG4 (MPEG4-Part 2 & 10), Dual Stream |
| Frame Rate | VGA: 30 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) |
| 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 |
| Europe | CE marked, EN55022-1998 Class A, EN55024, RoHS |
| Warranty | |
| | 2-year limited warranty, covering parts |

Other Specifications

| Alarm | |
|-----------------------|---|
| Input | Input 2 dry contacts |
| Output | 1 Relay Contact, 60V AC/DC at 1000mA max. |
| Physical | |
| Enclosure | Vandal Aluminum Casting with Polycarbonate Bubble Compatible with 4S Electrical Box Mounting |
| Dimensions (Dia x H) | 148mm diameter x 135mm height 5.8" diameter x 5.3" height |
| Unit Weight | 2.0 Lbs. (0.9Kg) |
| Unit Shipping Weight | 2.6 Lbs. (1.2Kg) |
| Mechanical | |
| Bubble Rating | Vandal Resistant Polycarbonate |
| Bubble F-Stop | F0.0: Clear bubble F1.0: Smoke bubble (option) |
| Pan, Rotate and Tilt | 360, 360 and +/-90 deg |
| Electrical | |
| Input Voltage | 12VDC/24VAC ±10% or 802.3af PoE (indoor) or 802.3at PoE+ (outdoor) |
| Power Consumption | 6W – up to 22W with Heater |
| Power Connector | AC/DC Terminal block or PoE |
| Environment | |
| Operating Temperature | -40°F to 122°F (-40°C to 50°C) outdoor |
| Storage Temperature | 32° F to 140° F (0° C to 60° C) |
| Humidity | 90% (non-condensing) |
| Ratings | IP66 and NEMA 4 |

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-SWAN-0 | Swan/Roof Mount |
| CM-CAPX-0 | Pendant Kit | CX-POLE-0 | Pole Bracket |

Camera Ordering Information

| Type | Series | Resolution in MP | Intelligence Package | Imager Package | Option 1 | Model | | |
|------------------|--------|------------------------|----------------------|----------------|--------------------------------|------------------------|--------------------|---------------------|
| CM | - | 1 | 1 | 0 | 1 | N/P | | |
| Mini-Dome Camera | - | 1 = Pro-Classic Series | 1 | 0 = VGA | 1 = Intelligent Multi-Zone VMD | 0 = Day/Night 3.3-12mm | 1 = Indoor/Outdoor | N = NTSC P = PAL |