The ConteraIP® Indoor Dome megapixel camera features 1080p and 5-megapixel (MP) H.265/H.264 All-in-One Motorized Lens True Day/Night Indoor Dome IP Camera with SNAPstream+™ (Smart Noise Adaptation and Processing), Enhanced WDR™ (Wide Dynamic Range), NightView™, and Smart IR.

AV Costar™ was the first to bring H.264 to the mainstream market and recently developed SNAPstream™ (Smart Noise Adaptation and Processing) technology for reducing bandwidth without impacting image quality. Today we are proud to offer our next generation H.265 with SNAPstream+™ smart codec capable of delivering high quality video while saving over 50% of the data rate to reduce or prevent strain on the network.

The SD card slot supports up to 256GB of storage capacity for convenient onboard storage. The camera’s power can be supplied via a Power-over-Ethernet (PoE - IEEE 802.3af) compliant network cable connection.

The ConteraIP Indoor Dome is ONVIF (Open Network Video Interface Forum) Profile S, G, and T compliant, providing interoperability between network video products regardless of manufacturer.

Series Features
- 1080p (2.1MP) or 5MP Resolution
- Remote Focus/Zoom Motorized Lens
- SNAPstream+™ Capability to Reduce Bandwidth without Impacting Image Quality
- NightView™ for Strong Low Light Performance
- True Day/Night Functionality with Mechanical IR Cut Filter
- Enhanced WDR up to 120dB at Full Resolution: See Clearly in Shaded and Bright Light Conditions Simultaneously
- CorridorView™ Allows 90° Image Rotation for Better Coverage in Hallways and Corridors
- Privacy Mask, Motion Detection, Bit Rate Control, Multi-Streaming, Multicasting, Forensic Zooming, and Scaling
- On-Screen Display (OSD)
- Defog Technology
- Triple Encoder: H.265/H.264/MJPEG
- Network Protocols Include SNMP, HTTP, IPv6, DHCP, 802.1x, and More
- All-in-One H.265/H.264 PoE Solution
- Smart IR Illumination with Variable Illumination Ensures that IR Light is Evenly Disbursed up to 66ft (20m) for Scenes with Low or No Ambient Light
- MicroSDXC Card Slot for Onboard Storage
## Camera Imaging Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>AV02CID-100</th>
<th>AV05CID-100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
<td>1080p (2.1MP) CMOS Progressive Sensor</td>
<td>5MP CMOS Progressive Sensor</td>
</tr>
<tr>
<td><strong>Optical Format</strong></td>
<td>1/2.8&quot;</td>
<td>1/2.9&quot;</td>
</tr>
<tr>
<td><strong>Minimum Illumination</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color (Day Mode)</td>
<td>0.05 Lux</td>
<td>0.1 Lux</td>
</tr>
<tr>
<td>B/W (Night Mode)</td>
<td>0.005 Lux</td>
<td>0.01 Lux</td>
</tr>
<tr>
<td><strong>Full FOV Resolution</strong></td>
<td>1920 H x 1080 V</td>
<td>2592 H x 1944 V</td>
</tr>
<tr>
<td><strong>Scaling</strong> (See Scaling Resolutions Below)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IR Illumination</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Dynamic Range</strong></td>
<td>120dB</td>
<td>120dB</td>
</tr>
<tr>
<td><strong>Frame Rates</strong></td>
<td>Single Stream</td>
<td>Up to 30fps (1080p)</td>
</tr>
<tr>
<td></td>
<td>Multi-Stream</td>
<td>Up to 30fps (1080p) + 15fps (1080p)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 30fps (1080p) + 15fps (720p) + 30fps (VGA)</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>Motorized Lens</td>
<td>2.7–13.5mm, F1.3, H-FOV = 28°–105°, V-FOV = 16°–56°, Fixed Iris</td>
</tr>
</tbody>
</table>

### Programmability

- **Optics**
  - Remote focus, remote zoom
- **Low-Light Performance**
  - NightView™ technology
  - Smart IR
- **Programmable Shutter Speed**
  - Auto/manual 0.1ms ~ 500ms
- **Motion Detection**
  - Real-time, 1024 detection zones
- **Privacy Masking**
  - Unlimited
- **Backlight Compensation**
  - Auto
- **White Balance Mode**
  - Auto/manual
- **Gain Control**
  - Auto
- **Flicker Control**
  - 5Hz–255Hz adjustable
- **Image Rotation**
  - CorridorView™ 90°, 180°, and 270° image rotation + mirror
- **Scaling**
  - 1080p: 1920x1080, 1280x720, 960x540, 640x480, 640x360, 320x240
  - 5MP: 2592x1944, 2048x1536, 1820x1080, 1296x972, 1280x720, 640x480, 640x360, 320x240
- **Wide Dynamic Range**
  - Adjustment between WDR and LDR modes
- **Efficiency**
  - SNAPstream™+ (Smart Noise Adaptation and Processing)
  - Bit rate and bandwidth limitation control
- **Defog**
  - Supported
- **Miscellaneous**
  - Programmable brightness, contrast, sharpness, saturation, hue
  - Electronic pan, tilt, zoom (PTZ)
- **Password**
  - 16-digit ASCII character password
- **On-Screen Display (OSD)**
  - Time/date/camera name/custom text
- **Data Transmission**
  - Compression Type: H.265/H.264 (MPEG-4, Part 10)/Motion JPEG
  - Bit Rate Control: 64K–8000K
  - Smart Codec: Smart GOP/Smart ROI
  - Transmission Protocols: SNMP, HTTP, HTTPS, IPv6, IPv4, SSL, TCP/IP, UPnP, UDP, RTCP, RTSP, RTP, SMTP, NTP, DHCP, FTP, 802.1x, Zero Config, 10/100Base-T Ethernet network interface, RJ45
  - Multi-Streaming: 2 x H.265/H.264 stream, 1 x M-JPEG stream
  - Users: Live viewing/Administrator for up to 10 clients

### Event Management

- **Event Trigger**
  - Motion detection, tampering detection, alarm in
- **Notifications**
  - Send-record message via e-mail/FTP/NAS/SD card, record JPG/mp4

### Compliance

- **Industry Standard**
  - ONVIF Profile S, G, T conformant
- **FCC Compliance**
  - 47 CFR 15 Class A
- **Environmental**
  - RoHS, REACH, WEEE
- **Markings**
  - (CE) EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950

### Environmental

- **Operating Temperature**
  - -10°C (14°F) to +50°C (122°F)
- **Humidity**
  - 10% to 90% (non-condensing)
- **Storage Temperature**
  - -10°C (14°F) to +60°C (140°F)

### General Electrical

- **Alarm Input/Output**
  - 1 input (dry contact)/1 output (dry contact) on pigtail cable
- **Power Over Ethernet**
  - PoE IEEE 802.3at, Class 3
  - Total PoE solution (no external power requirement)
- **Power Consumption**
  - 1080p: 6.9W PoE max
  - 5MP: 7.7W PoE max

### IR Illuminator

- **LEDs**
  - 4pcs, Smart IR
- **Projection Distance**
  - 66ft (20m) max

---

* 30 frames per second (FPS) maximum with H.264 and H.265 compression at 60 hertz (Hz), up to 25fps maximum at 50Hz
** Max FPS with Enhanced WDR™ turned on will be up to 50% of listed FPS
**Mechanical**

<table>
<thead>
<tr>
<th><strong>Casing</strong></th>
<th>Plastic surface mount chassis with polycarbonate dome bubble</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gimbal</strong></td>
<td>Easy 3-axis camera adjustment with 350° pan, and 60° tilt, and 350° Z-rotation</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th><strong>Unit</strong></th>
<th><strong>Ø 4.52” (114.8mm) x 3.65” H (92.6mm)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Packaged</strong></td>
<td></td>
<td>6.1” W (155mm) x 6.5” H (165mm) x 6.0” D (152mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Weight</strong></th>
<th><strong>Unit</strong></th>
<th><strong>0.79lbs (0.36kg)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Packaged</strong></td>
<td></td>
<td>1.21lbs (0.55kg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>On Board Storage</strong></th>
<th>MicroSDXC slot up to 256GB (card not included)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Body Color</strong></th>
<th>AV Costar White (Pantone® Cool Gray 1C)</th>
</tr>
</thead>
</table>

**Dimensions**

![Dimensions Diagram](image-url)
Contera® Indoor Dome Megapixel Camera

Model Numbers

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1080p</td>
<td>AV02CID-100</td>
</tr>
<tr>
<td>5MP</td>
<td>AV05CID-100</td>
</tr>
</tbody>
</table>

Accessories (Sold Separately)

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV-CRMA-W</td>
<td>Corner Mount Adapter (AV Costar White)</td>
</tr>
<tr>
<td>AV-PMA-W</td>
<td>Pole Mount Adapter (AV Costar White)</td>
</tr>
<tr>
<td>CID-CMT-W</td>
<td>Pendant Mount for ConteraIP Indoor Dome (AV Costar White)</td>
</tr>
<tr>
<td>CID-FMA</td>
<td>ConteraIP Indoor Dome Flush Mount Adapter (White)</td>
</tr>
<tr>
<td>CID-WMT-W</td>
<td>Wall Mount for ConteraIP Indoor Dome (AV Costar White)</td>
</tr>
</tbody>
</table>

Configurations

Surface mount dome

Create Your Model  (Example: AV05CID-100)

<table>
<thead>
<tr>
<th>Megapixel Resolution</th>
<th>Contera Product Line</th>
<th>Body Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>C</td>
<td>ID</td>
</tr>
<tr>
<td>05</td>
<td></td>
<td>-100</td>
</tr>
<tr>
<td>Indoor Dome</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AV Costar, Inc.
+1.818.937.0700  |  www.avcostar.com  | avsales@arecontvision.com
© 2020 Arecont Vision Costar, LLC. All rights reserved. Arecont Vision, Contera, and ConteraIP are registered trademarks of the company. Av Costar, the Av Costar logo, CorridorView, Enhanced WDR, NightView, SNAPstream, and SNAPstream+ are business-use trademarks of the company.