The ConteraIP® Outdoor Dome megapixel camera features 1080p and 5-megapixel (MP) resolution for optimum performance. The ConteraIP Outdoor Dome combines a day/night mechanical IR cut filter with an integrated motorized remote focus and zoom precision iris (P-iris) lens for excellent, optimal image quality.

Regardless of the time of day, the ConteraIP Outdoor Dome is prepared for any lighting condition. For applications with poor lighting conditions, Enhanced WDR™ (wide dynamic range) at 120dB provides the best visual balance to shaded and bright light conditions.

For clear color images in low-light, NightView™ offers strong low-light sensitivity for capturing details in extremely poor-lit scenes. Built-in Smart IR LED illumination automatically adjusts output in response to the distance of an object in view to prevent over-exposure when the object is very close to the camera.

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 Outdoor Dome is IP66 rated for both indoor and outdoor applications. All models feature an impact resistant cast-aluminum housing capable of withstanding the equivalent of 55 kg (120 lbs) of force.

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

Industry Standard
ONVIF Profile S, G conformant

Listings
UL (CB) UL60950-1, E489591

FCC Compliance
47 CFR 15 Class A

Environmental
RoHS, REACH, WEEE

Markings
(CE) EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950

Mechanical
IK-10 (EN62262), IP66 (EN60529)

Camera Imaging Specifications

Model | AV02CLD-100 | AV05CLD-100
--- | --- | ---
Image Sensor | 1080p (2.1MP) CMOS Progressive Sensor | 5MP CMOS Progressive Sensor
Optical Format | 1/2.8" | 1/2.8"
Minimum Illumination | Color (Day Mode) 0.05 Lux | B/W (Night Mode) 0.005 Lux
Full FOV Resolution | 1920 H x 1080 V | 2592 H x 1944 V
Scaling (See Scaling Resolutions Below) | Yes | Yes
IR Illumination | Yes | Yes
Dynamic Range | 120dB | 120dB
Frame Rates | Single Stream Up to 30fps (1080p) | Up to 30fps (5MP)**
Multi-Stream | Up to 30fps (1080p) + 15fps (1080p) | Up to 15fps (5MP)** + 10fps (5MP)**
| Up to 30fps (1080p) + 30fps (720p) + 30fps (VGA) | Up to 30fps (1080p)** + 30fps (720p)** + 30fps (VGA)**
Lens | Motorized Lens 2.7–12mm, F1.3, H-FOV = 32°–108°, V-FOV = 18°–57°, P-Iris | 2.7–13.5mm, F1.3, H-FOV = 30°–82°, V-FOV = 18°–64°, P-Iris

Programmability

Optics | Remote focus, remote zoom
Low-Light Performance | NightView™ technology
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 | 1/2.8"
| 1920x1080, 1280x720, 960x540, 640x360, 320x240 | 2592x1944, 2048x1536, 1920x1080, 1296x972, 1280x720, 640x480, 640x360, 320x240
5MP | 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, UDR, 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 conformant
Listings | UL (CB) UL60950-1, E489591
FCC Compliance | 47 CFR 15 Class A
Environmental | RoHS, REACH, WEEE
Markings | (CE) EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950
Mechanical | IK-10 (EN62262), IP66 (EN60529)

Environmental

Operating Temperature | -20°C (-4°F) to +50°C (122°F)
Humidity | 0% to 90% (non-condensing)
Storage Temperature | -40°C (-40°F) to +60°C (140°F)

General Electrical

Alarm Input/Output | 1 input (wet contact)/1 output (wet contact)
Power Over Ethernet | PoE IEEE 802.3af, Class 3
| Total PoE solution (no external power requirement)
Auxiliary Power | 12–48V DC, 24V AC
Power Consumption | 1080p 5.5W PoE max
| 5MP 6.5W PoE max

IR Illuminator

LEDs | 12pcs, Smart IR
Projection Distance | 66ft (20m) max

Audio Electrical

Streaming | Two-way
Compression | G.711 PCM 8 kHz
Input/Output | Line in*** / Line output
ConteraIP® Outdoor Dome Megapixel Camera

Specifications

Mechanical

<table>
<thead>
<tr>
<th>Casing</th>
<th>Die-cast aluminum chassis with 4” polycarbonate dome bubble</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IP66 weather proof standard</td>
</tr>
<tr>
<td></td>
<td>Impact resistant, IK-10 rated</td>
</tr>
<tr>
<td>Gimbal</td>
<td>Easily adjustable 3-axis camera gimbal w/360° pan, 77° tilt and 180° z-axis</td>
</tr>
<tr>
<td>Dimensions (See Dimensions)</td>
<td>Ø 5.77” (146.7mm) x 5.42” H (137.6mm)</td>
</tr>
<tr>
<td></td>
<td>Packaged 6” H (150mm) x 7.5” W (190mm) x 8” L (200mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>Unit 2.65lbs (1.2kg)</td>
</tr>
<tr>
<td></td>
<td>Packaged 3.31lbs (1.5kg)</td>
</tr>
<tr>
<td>On Board Storage</td>
<td>MicroSDXC slot up to 256GB (card not included)</td>
</tr>
<tr>
<td>Body Color</td>
<td>AV Cestar White (Pantone® Cool Gray 1C)</td>
</tr>
</tbody>
</table>

Dimensions

Dimensions
### Model Numbers

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1080p</td>
<td>AV02CLD-100</td>
</tr>
<tr>
<td>5MP</td>
<td>AV05CLD-100</td>
</tr>
</tbody>
</table>

### Accessories (Sold Separately)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV-1AK</td>
<td>ConteraIP Outdoor Dome Optional Audio Kit</td>
</tr>
<tr>
<td>AV-CRMA-W</td>
<td>Corner Mount Adapter (AV Costar White)</td>
</tr>
<tr>
<td>AV-FMA</td>
<td>ConteraIP Outdoor Dome Flush Mount Adapter (White)</td>
</tr>
<tr>
<td>AV-PMA-W</td>
<td>Pole Mount Adapter (AV Costar White)</td>
</tr>
<tr>
<td>AV-PMJB-W</td>
<td>Pendant Mount Bracket with Standard Junction Box (AV Costar White)</td>
</tr>
<tr>
<td>AV-WMJB-W</td>
<td>Wall Mount Bracket with Standard Junction Box (AV Costar White)</td>
</tr>
<tr>
<td>MD-CAP-W</td>
<td>Mounting Cap for ConteraIP Outdoor Dome (AV Costar White)</td>
</tr>
</tbody>
</table>

### Configurations

Create Your Model  
(Example: AV05CLD-100)

<table>
<thead>
<tr>
<th>Megapixel Resolution</th>
<th>Product Line</th>
<th>Body Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV02CLD-100</td>
<td>AV</td>
<td>Large Dome</td>
</tr>
<tr>
<td>AV05CLD-100</td>
<td>AV</td>
<td>Large Dome</td>
</tr>
</tbody>
</table>

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