

Contera® Outdoor Dome IP Megapixel Camera

1080p or 5 Megapixel (MP) H.265/H.264 All-in-One Motorized P-Iris Lens True Day/Night Indoor/Outdoor Dome IP Camera with SNAPstream+™ (Smart Noise Adaptation and Processing), Enhanced WDR™ (Wide Dynamic Range), NightView™, and Smart IR



The Contera® Outdoor Dome megapixel camera features 1080p and 5-megapixel (MP) resolution for optimum performance. The Contera 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 Contera 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.

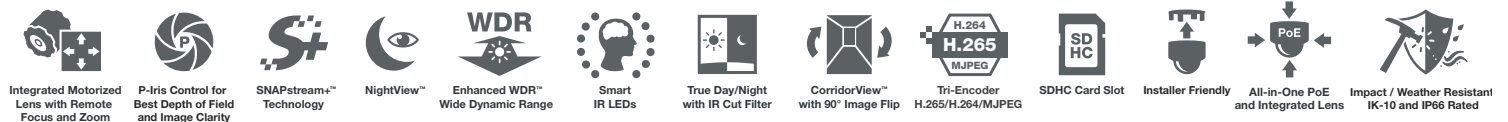
For clear color images in low-light, NightView™ offers strong low-light sensitivity for capturing details in extremely poor-lit scenes. Built-in Smart IR LED illumination automatically adjusts output in response to the distance of an object in view to prevent over-exposure when the object is very close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

Arecont Vision 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 Contera 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 Contera Outdoor Dome is ONVIF (Open Network Video Interface Forum) Profile S and G compliant, providing interoperability between network video products regardless of manufacturer.



Series Features

- 1080p (2.1-Megapixel) or 5MP Resolution
- Remote Focus/Zoom Motorized P-Iris 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, IPv6, HTTPS, DHCP, 802.1x, and More
- All-in-One H.265/H.264 Total PoE Solution (No External Power Required for Heater and IR LEDs), PoE and Auxiliary Power: 12–48V DC/24V AC
- 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
- Audio Out
- SDHC Card Slot for Onboard Storage
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing
- Easily Adjustable 3-Axis Gimbal

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" | 1/2.9" |
| Minimum Illumination | Color (Day Mode) | 0.05 Lux | 0.1 Lux |
| | B/W (Night Mode) | 0.005 Lux | 0.01 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, HFOV = 32°-108°, VFOV = 18°-57°, P-Iris | 2.7-12mm, F1.3, HFOV = 24°-81°, VFOV = 18°-57°, P-Iris |

* Maximum with H.264 and H.265 compression ** Max frames per second (FPS) with Enhanced WDR™ turned on will be up to 50% of listed FPS

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 | 50/60Hz selectable | |
| Image Rotation | CorridorView™ (90°, 180° and 270° image rotation) + mirror | |
| Scaling | 1080p | 1920x1080, 1280x720, 960x540, 640x480, 640x360, 320x240 |
| | 5MP | 2592x1944, 2048x1536, 1920x1080, 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 | 64K-8000K |
| Smart Codec | Smart GOP / Smart ROI / Smart FPS |
| Transmission Protocols | SNMP, IPv6, IPv4, HTTP, HTTPS, SSL, TCP/IP, UPnP, UDP, RTCP, RTSP, RTP, SMTP, NTP, DHCP, FTP, 802.1x, Zero Configure |
| | 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

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

Compliance

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|-------------------|--|
| Industry Standard | ONVIF Profile S, G conformant |
| Listings | UL (CB) |
| FCC Compliance | 47 CFR 15 Class A |
| Environmental | RoHS, REACH, WEEE |
| Markings | (CE) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950 |
| Mechanical | IP66 (EN60529), IK-10 |

Environmental

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

General Electrical

| | | |
|---------------------|--|-------------------|
| Alarm Input/Output | General purpose opto-coupled, 1 input / 1 output | |
| 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 | 5.5 watts PoE max |
| | 5MP | 6.5 watts PoE max |

IR Illuminator

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

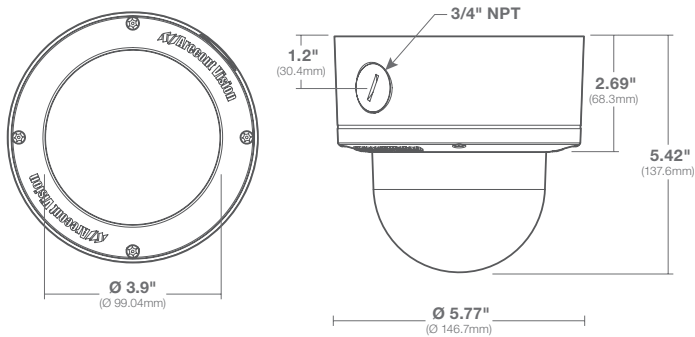
Audio Electrical

| | |
|--------------|-----------------|
| Streaming | Two-way |
| Compression | G.711 PCM 8 kHz |
| Input/Output | Line output |

Mechanical

| | | |
|--|---|--|
| Casing | Die-cast aluminum chassis with 4" polycarbonate dome bubble | |
| | IP66 weather proof standard | |
| | Impact resistant, IK-10 rated | |
| Gimbal | Easily adjustable 3-axis camera gimbal w/360° pan, 77° tilt and 180° z-axis | |
| Dimensions <i>(See Dimensions)</i> | Unit | Ø 5.77" (146.7mm) x 5.42" H (137.6mm) |
| | Packaged | 6" H (150mm) x 7.5" W (190mm) x 8" L (200mm) |
| Weight | Unit | 2.65lbs (1.2kg) |
| | Packaged | 3.31lbs (1.5kg) |
| On Board Storage | SDHC slot up to 256GB (card not included) | |
| Body Color | White (Pantone P179-1C) | |

Dimensions



See Next Page for Ordering Information

Ordering Information



Model Numbers

| | | |
|--------------|-------------|-----|
| 1080p | AV02CLD-100 | WDR |
| 5MP | AV05CLD-100 | WDR |

Accessories

| | |
|------------------|--|
| AV-WMJB-W | Wall Mount Bracket with Standard Junction Box (White) <i>(Fits Cap 1.5" NPT, Box Fits 3/4" NPT)</i> |
| MD-CAP-W | Mounting Cap for Contera Outdoor Dome (White) |

Configurations



Surface mount dome

Create Your Model (Example: AV05CLD-100)

Megapixel Resolution

Contera Product Line

Body Type

