

# ConteralP® Outdoor Dome Megapixel Camera

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

H.265



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

Regardless of the time of day, the ConteralP 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.

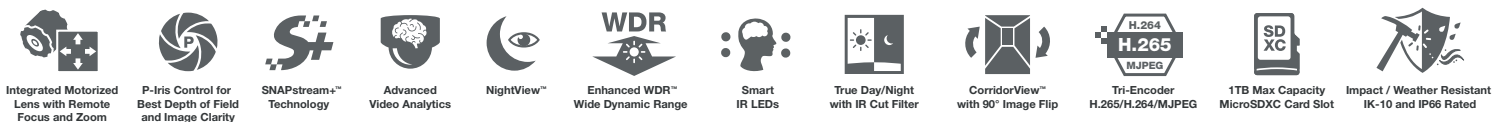
For clear color images in low-light, NightView™ offers strong low-light sensitivity for capturing details in extremely poor-lit scenes. Built-in Smart IR LED illumination automatically adjusts output in response to the distance of an object in view to prevent over-exposure when the object is very close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

All ConteralP Outdoor Dome cameras now support on-camera analytics. Several behaviors are available with the included standard analytic package. For even more

powerful behaviors, optional advanced analytics are available. The Outdoor Dome also offers our next generation H.265 with SNAPstream+™ (Smart Noise Adaptation and Processing) 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 microSDXC card slot supports up to 1TB of 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 ConteralP Outdoor Dome is IP66 rated for both indoor and outdoor applications. All models feature an impact resistant cast-aluminum housing.

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



## Series Features

- 1080p (2.1MP) or 5MP Resolution
- On-Camera Analytics
- Remote Focus/Zoom P-Iris 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)
- Triple Encoder: H.265/H.264/MJPEG
- Network Protocols Include SNMP, HTTPS, IPv6, DHCP, 802.1x, and More
- All-in-One H.265/H.264 Total PoE Solution, PoE and Auxiliary Power: 12V DC
- Smart IR Illumination with Variable Illumination Ensures that IR Light is Evenly Disbursed up to 82ft (25m) for Scenes with Low or No Ambient Light
- Audio In / Out
- 1TB Capacity MicroSDXC Card Slot for Onboard Storage
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing
- Easily Adjustable 3-Axis Gimbal
- NDAA Compliant

## Camera Imaging Specifications

Model		AV02CLD-200	AV05CLD-200
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)	0.04 Lux	0.15 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		82ft (25m) max	82ft (25m) max
Dynamic Range		120dB DOL WDR	120dB DOL WDR
Frame Rates	Multi-Stream	WDR Off	Up to 60fps (1080p) + 60fps (1080p) + 30fps (360p)
		WDR On	Up to 30fps (1080p) + 30fps (1080p) + 30fps (360p)
			Up to 30fps (5MP) + 30fps (5MP) + 30fps (480p)
Lens		Motorized Lens	2.7-13.5mm, F1.4, H-FOV = 28°-100°, V-FOV = 16°-54°
			2.7-13.5mm, F1.4, H-FOV = 27°-79°, V-FOV = 20°-58°

## 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 <sup>1</sup>	CorridorView™ (90°, 180°, and 270° image rotation) + mirror	
Scaling	1080p	1920x1080, 1280x720, 960x540, 640x480, 640x360
	5MP	2592x1944, 2048x1536, 1920x1080, 1296x972, 1280x720, 960x540, 640x480, 640x360
Wide Dynamic Range	Adjustment between WDR and LDR modes	
Efficiency	SNAPstream+™ (Smart Noise Adaptation and Processing)	
	Bit rate and bandwidth limitation control	
Miscellaneous	Programmable brightness, contrast, sharpness, saturation, hue	
Password	16-digit ASCII character password	
On-Screen Display (OSD)	Time/date/camera name/custom text	
Standard Video Analytics <sup>2</sup>	Motion Detection	
	Camera Tamper	
	Intrusion Detection	
	Line Crossing	
	Loitering	
Optional Advanced Video Analytics <sup>2</sup>	Object Classification (Person/Vehicle) <sup>3</sup>	
	Object Left/Removed <sup>3</sup>	
	People/Vehicle Counting <sup>3</sup>	

## Data Transmission

Compression Type	H.265/H.264 (MPEG-4, Part 10)/Motion JPEG
Bit Rate Control	64K-8000K
Smart Codec	Smart GOP
Transmission Protocols	SNMP, HTTP, HTTPS, IPv6, IPv4, SSL, TCP/IP, TLS 1.2, UPnP, UDP, RTCP, RTSP, RTP, SMTP, NTP, DHCP, FTP, 802.1x, QoS, DDNS, 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

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, M, T 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	1080p	-20°C (-4°F) to +50°C (122°F)
	5MP	-40°C (-40°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	12V DC	
Power Consumption	1080p	8.5W max
	5MP	10W max

1. Analytics will only function at 0° and 180° image rotation.

2. Analytics are not designed for heavy traffic locations such as roads and intersections

3. Requires Optional Advanced Video Analytic License

## IR Illuminator

<b>LEDs</b>	4pcs, Smart IR
<b>Projection Distance</b>	82ft (25m) max

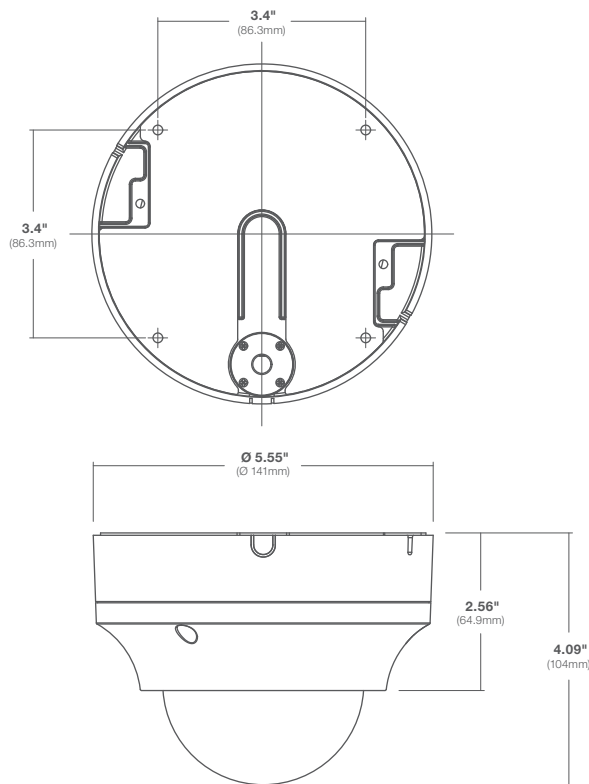
## Audio Electrical

<b>Streaming</b>	Two-way
<b>Compression</b>	G.711 PCM 8 kHz/8 bit
<b>Input/Output</b>	Line in* / Line output

## Mechanical

<b>Casing</b>	Die-cast aluminum chassis with polycarbonate dome bubble	
	IP66 weather proof standard	
	Impact resistant, IK-10 rated	
<b>Gimbal</b>	Easy 3-axis camera adjustment with 355° pan, and 60° tilt, and 180° Z-rotation	
<b>Dimensions</b> <i>(See Dimensions)</i>	<b>Unit</b>	Ø 5.55" (141mm) x 4.09" H (104mm)
	<b>Packaged</b>	5.9" H (150mm) x 6.7" W (170mm) x 7.28" L (185mm)
<b>Weight</b>	<b>Unit</b>	2.09lbs (0.95kg)
	<b>Packaged</b>	2.16lbs (0.98kg)
<b>On Board Storage</b>	MicroSDXC slot up to 1TB (card not included)	
<b>Body Color</b>	AV Costar White (Pantone® Cool Gray 1C)	

## Dimensions



CLD-FMA



**Flush Mount Adapter**

CLD-CAP-W



**Mounting Cap**

CLD-JBA-W



**Round Junction Box**

AV-PMJB-W



**Pendant Mount Bracket with Standard Junction Box**

AV-WMJB-W



**Wall Mount Bracket with Standard Junction Box**

\* Requires Amplification

See Next Page for Ordering Information



### Model Numbers

<b>1080p</b>	AV02CLD-200	<b>WDR</b>
<b>5MP</b>	AV05CLD-200	<b>WDR</b>

### Optional Advanced Video Analytics License

<b>C-SEC-ADV-1</b>	ConteraIP Advanced Security Analytics Single Sensor License
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### Accessories (Sold Separately)

<b>AV-CRMA-W</b>	Corner Mount Adapter (AV Costar White)
<b>AV-EBAPR</b>	Electrical Box Adapter Plate (AV Costar White)
<b>AV-PMA-W</b>	Pole Mount Adapter (AV Costar White)
<b>AV-PMJB-W</b>	Pendant Mount Bracket with Standard Junction Box (AV Costar White) <i>(Fits Cap 1.5" NPT, Box Fits 3/4" NPT)</i>
<b>AV-WMJB-W</b>	Wall Mount Bracket with Standard Junction Box (AV Costar White) <i>(Fits Cap 1.5" NPT, Box Fits 3/4" NPT)</i>
<b>CLD-CAP-W</b>	Mounting Cap for ConteraIP Outdoor Dome (AV Costar White)
<b>CLD-FMA-W</b>	ConteraIP Outdoor Dome Flush Mount Adapter (White)
<b>CLD-JBA-W</b>	ConteraIP Outdoor Dome Round Junction Box (AV Costar White)

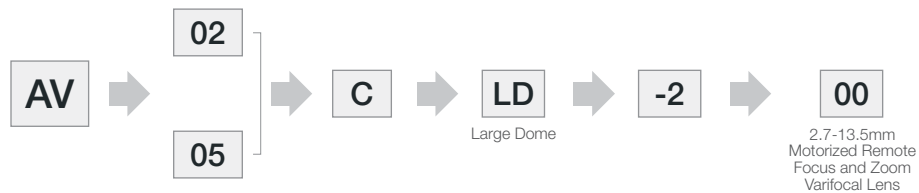
### Configurations



Surface mount dome

### Create Your Model (Example: AV05CLD-200)

Megapixel Resolution      Contera Product Line      Body Type      Generation      Lens



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