

# Contera™ Indoor Dome IP Megapixel Camera

1080p or 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

H.265



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

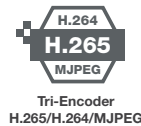
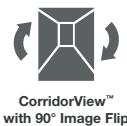
Regardless of the time of day, the Contera Indoor Dome is prepared for any lighting condition. For applications with poor lighting conditions, Enhanced WDR™ (wide dynamic range) at 120dB provides the best visual balance to shaded and bright light conditions.

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 Indoor 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 (2.1MP) 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, HTTPS, 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
- SDXC Card Slot for Onboard Storage

## Camera Imaging Specifications

Model		AV02CID-100	AV05CID-100
<b>Image Sensor</b>		1080p (2.1MP) CMOS Progressive Sensor	5MP CMOS Progressive Sensor
<b>Optical Format</b>		1/2.8"	1/2.9"
<b>Minimum Illumination</b>	Color (Day Mode)	0.05 Lux	0.1 Lux
	B/W (Night Mode)	0.005 Lux	0.01 Lux
<b>Full FOV Resolution</b>		1920 H x 1080 V	2592 H x 1944 V
<b>Scaling</b> (See Scaling Resolutions Below)		Yes	Yes
<b>IR Illumination</b>		Yes	Yes
<b>Dynamic Range</b>		120dB	120dB
<b>Frame Rates*</b>	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)**
<b>Lens</b>	Motorized Lens	2.7–13.5mm, F1.3, H-FOV = 28°–105°, V-FOV = 16°–56°, Fixed Iris	2.7–13.5mm, F1.3, H-FOV = 22°–79°, V-FOV = 16°–59°, Fixed Iris

## Programmability

<b>Optics</b>	Remote focus, remote zoom
<b>Low-Light Performance</b>	NightView™ technology
	Smart IR
<b>Programmable Shutter Speed</b>	Auto/manual 0.1ms ~ 500ms
<b>Motion Detection</b>	Real-time, 1024 detection zones
<b>Privacy Masking</b>	Unlimited
<b>Backlight Compensation</b>	Auto
<b>White Balance Mode</b>	Auto/manual
<b>Gain Control</b>	Auto
<b>Flicker Control*</b>	50/60Hz selectable
<b>Image Rotation</b>	CorridorView™ (90°, 180°, and 270° image rotation) + mirror
<b>Scaling</b>	<b>1080p</b> 1920x1080, 1280x720, 960x540, 640x480, 640x360, 320x240
	<b>5MP</b> 2592x1944, 2048x1536, 1920x1080, 1296x972, 1280x720, 640x480, 640x360, 320x240
<b>Wide Dynamic Range</b>	Adjustment between WDR and LDR modes
<b>Efficiency</b>	SNAPstream+™ (Smart Noise Adaptation and Processing)
	Bit rate and bandwidth limitation control
<b>Defog</b>	Supported
<b>Miscellaneous</b>	Programmable brightness, contrast, sharpness, saturation, hue
	Electronic pan, tilt, zoom (PTZ)
<b>Password</b>	16-digit ASCII character password
<b>On-Screen Display (OSD)</b>	Time/date/camera name/custom text

## Data Transmission

<b>Compression Type</b>	H.265/H.264 (MPEG-4, Part 10)/Motion JPEG
<b>Bit Rate Control</b>	64K–8000K
<b>Smart Codec</b>	Smart GOP/Smart ROI
<b>Transmission Protocols</b>	SNMP, HTTP, HTTPS, IPv6, IPv4, SSL, TCP/IP, UPnP, UDP, RTCP, RTSP, RTP, SMTP, NTP, DHCP, FTP, 802.1x, Zero Configure
	10/100Base-T Ethernet network interface, RJ45
<b>Multi-Streaming</b>	2 x H.265/H.264 stream, 1 x M-JPEG stream
<b>Users</b>	Live viewing/Administrator for up to 10 clients

## Event Management

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

## Compliance

<b>Industry Standard</b>	ONVIF Profile S, G conformant
<b>FCC Compliance</b>	47 CFR 15 Class A
<b>Environmental</b>	RoHS, REACH, WEEE
<b>Markings</b>	(CE) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950

## Environmental

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

## General Electrical

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

## IR Illuminator

<b>LEDs</b>	4pcs, Smart IR
<b>Projection Distance</b>	66ft (20m) max

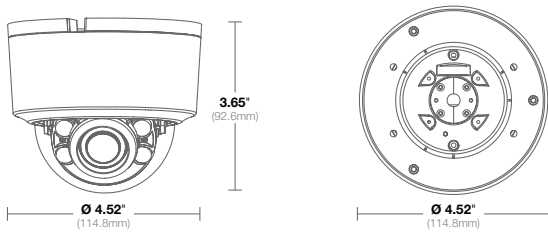
\* 30 frames per second (FPS) maximum with H.264 and H.265 compression at 60 hertz (Hz), up to 25fps maximum at 50Hz

\*\* Max FPS with Enhanced WDR™ turned on will be up to 50% of listed FPS

## Mechanical

<b>Casing</b>	Plastic surface mount chassis with polycarbonate dome bubble	
<b>Gimbal</b>	Easy 3-axis camera adjustment with 350° pan, and 60° tilt, and 350° Z-rotation	
<b>Dimensions</b> <i>(See Dimensions)</i>	<b>Unit</b>	Ø 4.52" (114.8mm) x 3.65" H (92.6mm)
	<b>Packaged</b>	6.1" W (155mm) x 6.5" H (165mm) x 6.0" D (152mm)
<b>Weight</b>	<b>Unit</b>	0.79lbs (0.36kg)
	<b>Packaged</b>	1.21lbs (0.55kg)
<b>On Board Storage</b>	SDXC slot up to 256GB (card not included)	
<b>Body Color</b>	Arecont Vision® White (Pantone P179-1C)	

## Dimensions



See Next Page for Ordering Information



Model Numbers

<b>1080p</b>	AV02CID-100	<b>WDR</b>
<b>5MP</b>	AV05CID-100	<b>WDR</b>

Configurations



Surface mount dome

Create Your Model (Example: AV05CID-100)

Megapixel Resolution      Contera Product Line      Body Type

