

Leading the Way in Megapixel Video™



SurroundVideo® Omni G2 IP Megapixel Cameras

12 or 20 Megapixel (MP) H.264 All-in-One Remote Focus Omni-Directional User-Configurable Multi-Sensor True Day/Night Indoor/Outdoor Dome IP Cameras with WDR (Wide Dynamic Range) Models

Cover Large and Complex Areas with Fewer Cameras, Faster Installation

SurroundVideo Omni G2 multi-sensor cameras deliver revolutionary flexibility for a quick and easy installation. A single SurroundVideo Omni G2 has four multi-megapixel cameras inside a single outdoor, weather rated housing. An industry game-changer, a major part to this camera's time saving installation is the magnetic Omni track design.

This allows each of the four sensor gimbals to be magnetically placed in various configurations specific to the user's unique requirements. Simply move the sensors anywhere on the magnetic track and screw in place. This will save time during the initial installation or on maintenance calls thanks to the motorized remote focus feature.



Interchangeable Lenses with Remote Focus Module



Omni-Directional Track with 4 Customizable Sensors



270° FOV Capable



Wide Dynamic Range on 12MP Models



True Day/Night with IR Cut Filter



Pixel Binning Mode



Ultra Low Profile Design



3-Axis Gimbal



Impact / Weather Resistant IK-10 and IP66 Rated



Omni Track Design

Delivering a unique track design allows four individual sensor gimbals to be independently placed in nearly any configuration. Popular uses of SurroundVideo Omni G2 IP megapixel cameras are to cover the intersection of hallways or to provide a 270° view at the corner of a building.

Installation is literally a snap, since each gimbal is magnetically set in place, making it easier to arrange a configuration around the 77 placement-point omni track.



Focus

Focus:		
+20	+5	+1
-20	-5	-1
Full-range Focus		
Short-range Focus		
Stop		
Focus Aid: 4495		
Update Focus Aid		

Remote Focus & Interchangeable Lenses

The SurroundVideo Omni G2 can be installed without manually adjusting the focus of each sensor. Remote focus can be controlled manually through the camera webpage. Just click "short range focus" or "full range focus" to get a clear image. Additionally, the remote focus mechanism has been designed separate from the lenses, allowing users to engineer the right optics solution easily from a choice of multiple lens options ranging from 2.1mm to 16mm.



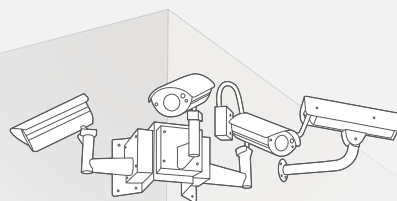
3-Axis Gimbals

SurroundVideo Omni G2 utilizes the same maneuverable 3-axis gimbal architecture as MicroDome® G2, allowing for an improved range of motion when positioning each of the four sensors.

Higher Resolution x 4 Sensors = Greater ROI

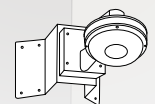
Arecont Vision megapixel technology delivers superior image quality and reduces overall system costs by covering larger areas with fewer cameras. An area typically requiring multiple pan-tilt-zoom (PTZ) cameras or multiple fixed cameras can be covered with a single SurroundVideo Omni G2 camera. SurroundVideo Omni G2 multi-sensor cameras deliver comprehensive coverage and forensic detail, all without the need for an operator to direct them or the propensity to be facing the wrong way when an incident occurs. SurroundVideo Omni G2 is available in 12MP and 20MP resolutions.

Their Solution



Four stationary cameras attempting to fully cover a corner

Arecont Vision Solution



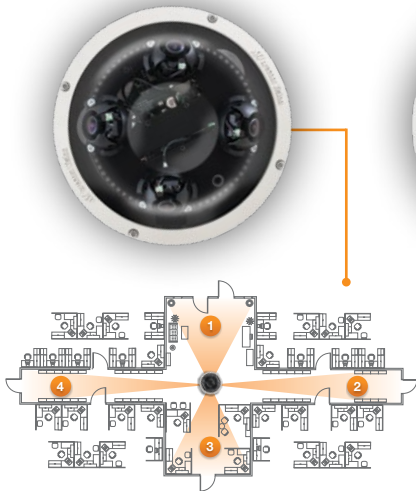
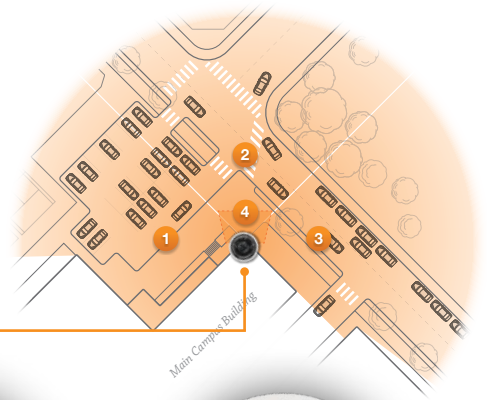
One SurroundVideo Omni G2 IP Megapixel Camera



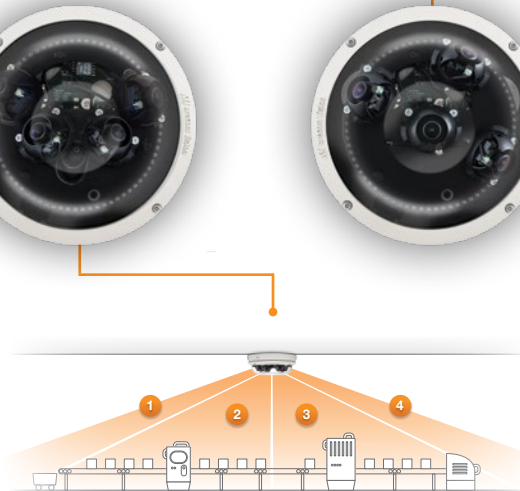
Versatility Like No Other

A single SurroundVideo Omni G2 camera can replace multiple single sensor cameras with astonishing effectiveness, thanks to its 77 possible sensor placements and multiple lens options. Four common arrangements of SurroundVideo Omni G2 cameras are the hallway intersection, 270° corner view, assembly line view, and a 360° parking lot application. The configuration possibilities are left only to the imagination.

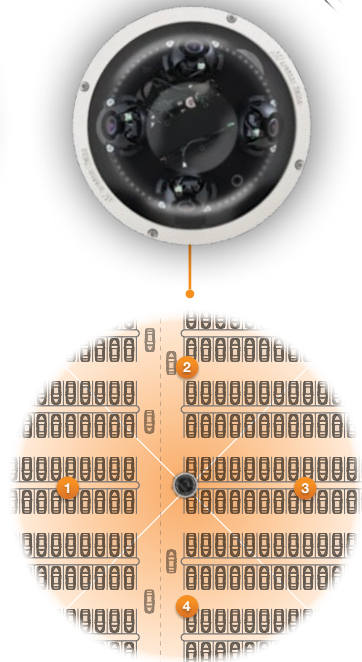
270° Outdoor Corner Layout
(4 90° Lenses)



360° Indoor Hallway Intersection Layout
(2 Telephoto and 2 Wide Angle Lenses)



Assembly Line Layout
(2 Telephoto and 2 Wide Angle Lenses)



360° Parking Lot Layout
(4 90° Lenses)



270° Examples of WDR and True Day/Night



WDR, Day/Night, & Pixel Binning

Users can achieve clear images in extreme lighting conditions with SurroundVideo Omni G2. Wide Dynamic Range (WDR) up to 100dB at full resolution on 12MP models balances light and dark areas in the same scene. This is ideal for the lobby of an office building or hotel, a loading dock, or for many retail environments. All SurroundVideo Omni G2 models are equipped with True Day/Night low light enhancing technology with a mechanical IR (infrared) cut filter. The filter automatically switches from color to black/white operation to increase sensitivity and image clarity at night or in unlit spaces. In addition, pixel binning can be used for adaptive noise-cancellation.



Impact & Weather Resistant Housing

SurroundVideo Omni G2 is IK-10 impact resistant and IP66 environmental rated against dust and water, making it very suitable for outdoor installations.





Model Numbers

12MP	AV12275DN-NL	
	AV12275DN-28	
	AV12275DN-08	
	AV12276DN-NL	WDR
	AV12276DN-28	WDR
	AV12276DN-08	WDR
20MP	AV20275DN-NL	
	AV20275DN-28	
	AV20275DN-08	

Options

(Example: AV12276DN-NL)

-NL	No Lenses (User Configurable and Ordered Separately)
-28	Configured with 2.8mm Lenses*
-08	Configured with 8mm Lenses**

* Good option for a 270° Corner Mount configuration
** Good configuration option for a hallway intersection

Lens Options

Manual Fixed Focal	MPM2.1 (2.1mm) Ordered Separately	3MP
	MPM2.8A (2.8mm) Standard (-28 Models)	3MP 5MP
	MPM4.0A (4mm) Ordered Separately	3MP 5MP
	MPM6.0 (6mm) Ordered Separately	3MP 5MP
	MPM8.0 (8mm) Standard (-08 Models)	3MP 5MP
	MPM12.0A (12mm) Ordered Separately	3MP 5MP
	MPM16.0 (16mm) Ordered Separately	3MP 5MP

Configurations



Global Sales and Support

Arecont Vision is the leading manufacturer of high-performance megapixel IP cameras and associated software.

Americas

USA
Arecont Vision, LLC. Headquarters
425 E. Colorado St., 7th Floor
Glendale, CA 91205, USA

Phone: +1.818.937.0700
Toll Free: 877.CAMERA.8
Fax: +1.818.937.0464

Sales
Phone: +1.818.937.0700 x 3
Email: avsales@arecontvision.com

Support
Phone: +1.818.937.0700 x 1
Email: support@arecontvision.com

Latin America
Email: latam.sales@arecontvision.com

EMEA

Germany
Phone: +49 (0) 151.6480.6455
Email: europe.sales@arecontvision.com

Russia
CJSC Arecont Vision
Phone: +7.495.649.0577
Fax: +7.495.221.5227
Email: info@arecontvision.ru

Middle East & India
Email: mena.sales@arecontvision.com

Africa
Email: africa.sales@arecontvision.com

APAC

China, Japan, Southeast Asia, & Australia
Phone: +86.180.0179.1799
Alt. Phone: +1.818.937.0700 x 3
Fax: +1.818.649.3404
Email: apac.sales@arecontvision.com