

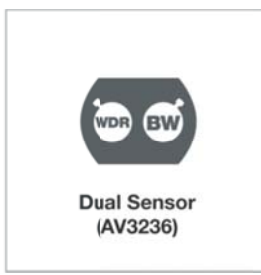
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MegaVideo Compact Dual Sensor

3MP WDR/1.2MP Monochrome H.264 Dual-Sensor Day/Night Indoor Box-Style IP Cameras

INSTALLATION MANUAL

AV3236DN



MegaVideo Compact Dual Sensor

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MegaVideo® Compact Dual Sensor

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Package Contents

Item	Description
MegaPixel Camera	MegaVideo ® Compact Dual Sensor
I/O Plug	4 Position External Plug
Arecont Vision CD	Manual, Warranty, Installation Software

Warranty Information

3 Year Limited Warranty

ARECONT VISION warrants to Purchaser (and only Purchaser) (the “Limited Warranty”), that: (a) each Product shall be free from material defects in material and workmanship for a period of **thirty-six (36) months** from the date of shipment (the “Warranty Period”); (b) during the Warranty Period, the Products will materially conform with the specification in the applicable documentation; (c) all licensed programs accompanying the Product (the “Licensed Programs”) will materially conform with applicable specifications. Notwithstanding the preceding provisions, ARECONT VISION shall have no obligation or responsibility with respect to any Product that (i) has been modified or altered without ARECONT VISION’s written authorization; (ii) has not been used in accordance with applicable documentation; (iii) has been subjected to unusual stress, neglect, misuse, abuse, improper storage, testing or connection; or unauthorized repair; or (iv) is no longer covered under the Warranty Period. ARECONT VISION MAKE NO WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, OTHER THAN THE EXPRESS LIMITED WARRANTIES MADE BY ARECONT VISION ABOVE, AND ARECONT VISION HEREBY SPECIFICALLY DISCLAIMS ALL OTHER EXPRESS, STATUTORY AND IMPLIED WARRANTIES AND CONDITIONS, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT AND THE IMPLIED CONDITION OF SATISFACTORY QUALITY. ALL LICENSED PROGRAMS ARE LICENSED ON AN “AS IS” BASIS WITHOUT WARRANTY. ARECONT VISION DOES NOT WARRANT THAT (I) THE OPERATION OF THE PRODUCTS OR PARTS WILL BE UNINTERRUPTED OR ERROR FREE; (II) THE PRODUCTS OR PARTS AND DOCUMENTATION WILL MEET THE END USERS’ REQUIREMENTS; (III) THE PRODUCTS OR PARTS WILL OPERATE IN COMBINATIONS AND CONFIGURATIONS SELECTED BY THE END USER; OTHER THAN COMBINATIONS AND CONFIGURATIONS WITH PARTS OR OTHER PRODUCTS AUTHORIZED BY ARECONT VISION OR (IV) THAT ALL LICENSED PROGRAM ERRORS WILL BE CORRECTED.

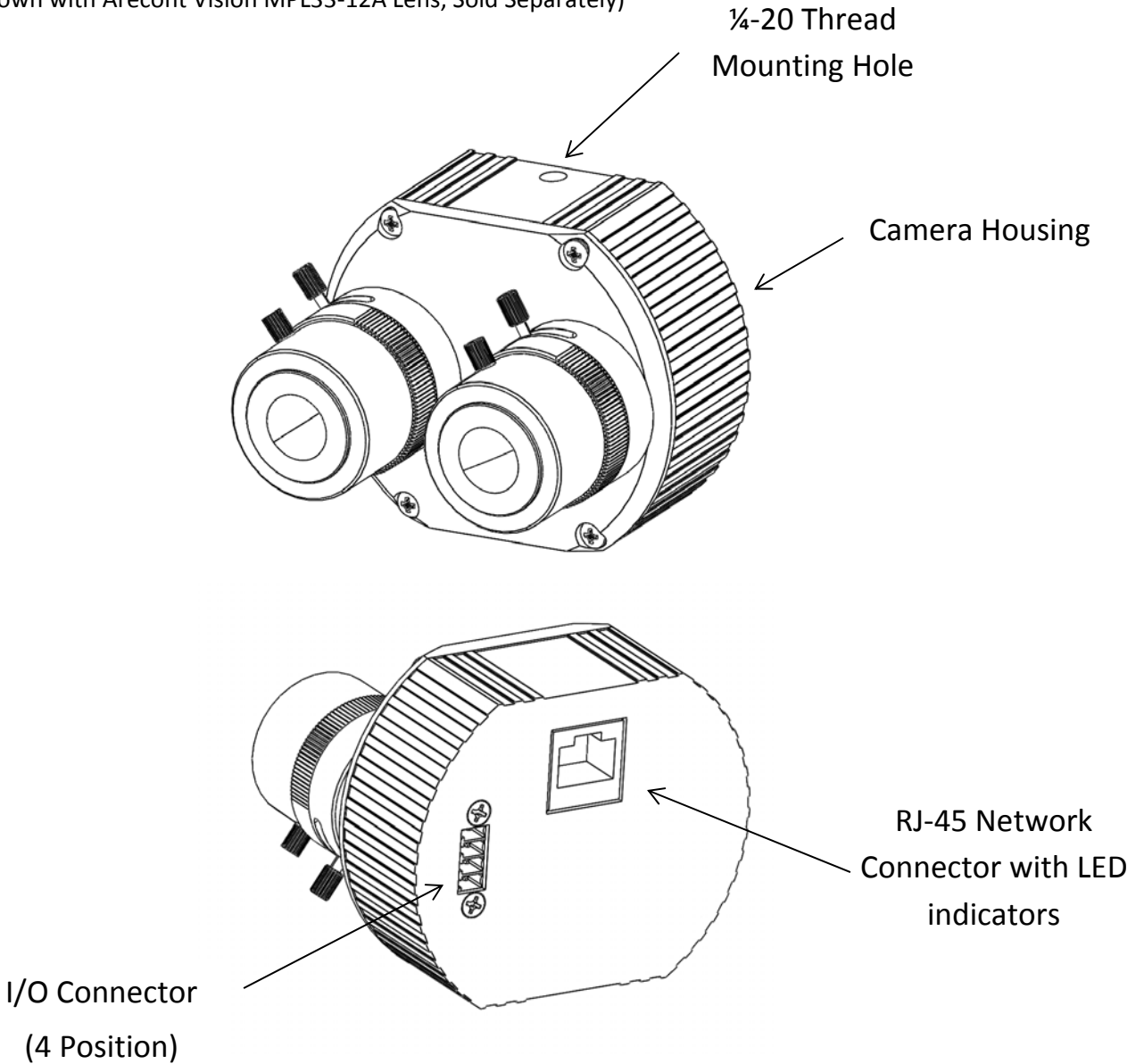
For RMA and Advance Replacement information visit ArecontVision.com

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Installation Overview

(Shown with Arecont Vision MPL33-12A Lens, Sold Separately)



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Installation

1. Visit <http://www.arecontvision.com/> and check to ensure your camera has the most current firmware.
2. Mount camera to mounting bracket as required.
3. Connect the camera to a PoE port on a 100Mbps network PoE switch.
NOTE : Camera is powered by PoE only, no auxiliary power option.
4. Check that the indicator LED's are indicating the desired conditions (see LED Indicator table).
5. Use Arecont Vision software AV100 or AV200 located on the CD or available for download at our website (www.arecontvision.com) for camera discovery and setup (see Instruction Manual located on CD or available on our website).



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Lens Selection

Arecont Vision recommends the following two lenses for this product:

1. MPL33-12A : Arecont Vision 3.3-12mm, 1/2.5", f/1.4, CS-mount
 - Use for mounting inside DOME4 and DOME5 due to size constraints
2. T3Z0312CS-MPIR : Computar 3-8mm, 1/3" f1.2, C
 - Better performance in low light

When selecting a different lens the following camera specifications should be taken into account (see Datasheet for further camera specifications):

Image Sensor

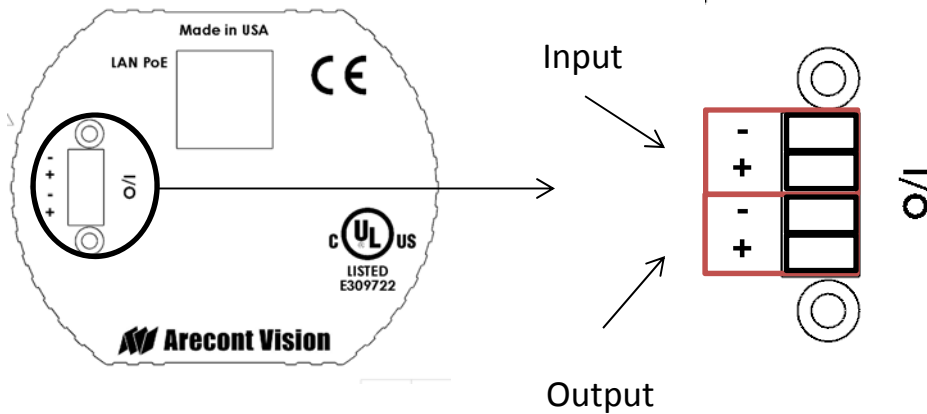
- 1/3.2" @ 3MP
- 1/3 @ 1.2MP

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Digital Input and Output

Use 4 position connector provided in box to interface with Digital I/O on camera housing.



Electrical Characteristics		MIN	MAX
Input Voltage (V) (Measured between + and - terminals)	ON	2.9	6.3
	OFF	0	1.3
Output Current (mA) (Measured between + and - terminals) Applied Voltage Range : 0-80V	ON	-	50
	OFF	-	0.1

NOTE: Both the input and the output are electrically isolated from the rest of the camera's electrical circuitry via general-purpose photo couplers. The input is additionally protected with a serial 250 Ohm resistor and a debouncing circuit. Duration of any input signal should be at least 5ms to comply with the requirements of the debouncing circuit.

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Housing Options (Sold Separately)

HSG2



The HSG2 environmental PoE housing provides excellent protection for the entire line of MegaVideo and MegaVideo Compact IP cameras. This housing requires the HSG2-WMT which is sold separately. It is also compatible with the following parts: SV-JBA, SV-EBA, MD-CRMA and MD-PMA.

DOME4-I (Indoor)



DOME4-O (Outdoor)



Excellent indoor and outdoor protection for the entire MegaVideo® Compact line of Arecont Vision cameras. Combining this 4" dome with the superior imaging of an AV camera provides the perfect solution for environments in which cameras need to be less noticeable, or require additional protection from the elements.

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Unique Features

The AV3236DN has several unique settings outlined below. Reference the following documents found at arecontvision.com or on your installation CD for more detailed descriptions and instructions on all camera features and settings:

- Web Interface User Manual
- AV200 User Manual

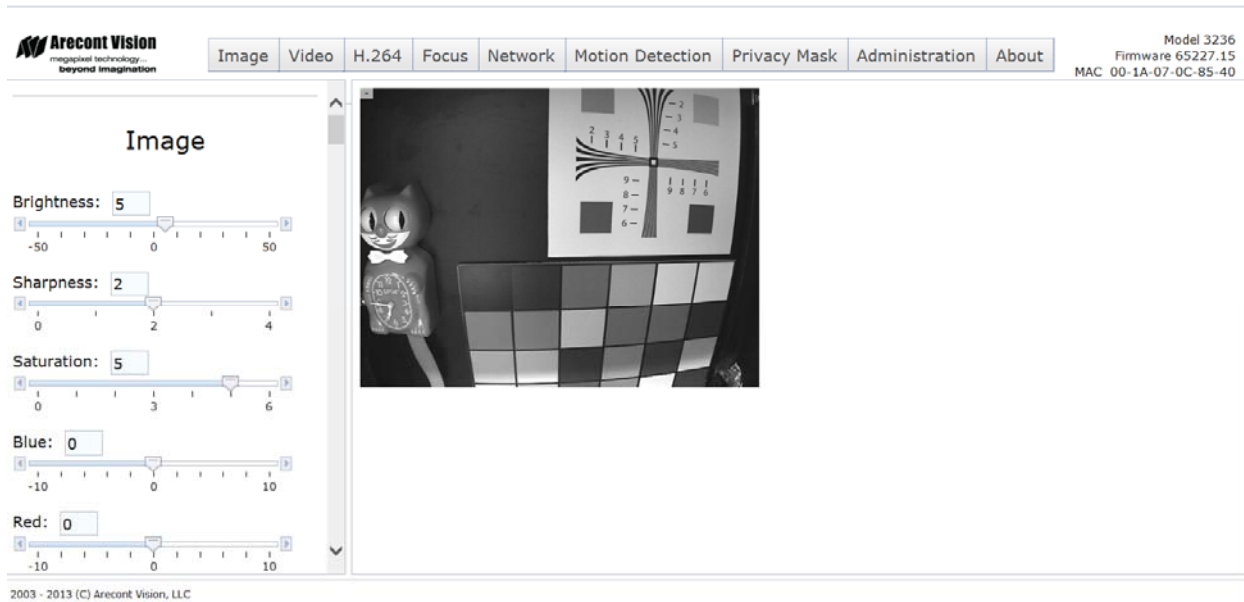


Figure 1 : Web Interface Example

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Dual Channel Streaming and Up-Scaling

The screenshot shows the 'Image' tab of the camera's web interface. A red circle highlights the 'Image' tab, with red arrows pointing to the 'Dual Channel Streaming' radio button and the 'Upscale 1.2MP to 3MP' checkbox. Other settings visible include 'Low light noise filter (%)' at 70, 'Day/Night' set to Automatic, 'Switching Level' at 43, and 'Toggle Guard' at 1.

Dual Channel Streaming allows both image sensors to stream simultaneously.

Upscale will increase the 1.2MP image sensor to an up-scaled 3MP. This is useful for some video management systems that will not function properly with a mismatch in resolution between the two sensors.

NOTE : Both Dual Channel Streaming and Up-scaling will impact frame rate.

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LED Indicators

LED	Status	Description
Yellow	Flashing	Link has been established.
	Solid	Normal Operation.
	None	No connection.
Green	Flashing	Camera has been accessed. Normal operation.
	Solid	N/A
	None	No Connection.

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Support

1. Arecont Vision FAQ Page Located at ArecontVision.com
2. Check the following before you call:
 - ✓ Restore camera to factory default with AV100, AV200 or the camera webpage.
 - ✓ Upgrade to the latest firmware by visiting ArecontVision.com.
 - ✓ Isolate the camera on a dedicated network and test with AV100 or AV200.
 - ✓ Swap the “troubled” camera with a known good camera to see if the problem follows the camera or stays at the location.
3. Contact Arecont Vision Technical Support one of three ways:
 1. Online Portal : Support.ArecontVision.com
 2. Phone : 1.818.937.0700 (option #1)
 3. Email : support@arecontvision.com

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Camera Discovery, Setup, and Configuration

For camera discovery and setup please use Arecont Vision software AV200 which you can find on the CD included with your camera or at:

<http://www.arecontvision.com/software.php>

The user manual for the AV200 software is included on the CD and is also located on our website.

To configure the camera use either the AV200 software or the web interface utility. The web interface can be accessed by typing the camera IP address into your web browser or by clicking on the web interface button in AV200. The user manual for our web interface is included on the CD and is also located on our website.

Visit <http://www.arecontvision.com/> and check to ensure your camera has the most current firmware.