

OE-C3422-WR2 2MP COMPACT MINI-DOME HD-TVI CAMERA

OE-C3422-WR3 2MP COMPACT MINI-DOME HD-TVI CAMERA

OE-C3442-AWR 2MP AUTOFOCUS DOME HD-TVI CAMERA

General Information:

Product Manager: Jacob Bird

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Launch Date: 03/06/2017

INTRODUCTION

OE-C3422-WR2 and OE-C3422-WR3

The OE-C3422-WR is a 2MP HD-TVI mini dome designed to work with OpenEye's MA-Series, hybrid IP/analog, recorder.

Using TVI technology to transmit HD video over standard analog coax cabling, the OE-C3422 is an excellent solution for users looking to add HD video to their existing analog installation. Users can expect superior image quality in scenes with complex lighting thanks to true WDR and two different lens options. Low light performance is also improved by adaptive IR technology which prevents overexposure of objects close to the camera. The OE-C3422-WR is IP67 rated and functions down to -40° F making it a suitable for most climates.

OE-C3442-AWR

The OE-C3442-AWR is a 2MP HD-TVI autofocus dome designed to work with OpenEye's MA-Series, hybrid IP/analog, recorder.

Using TVI technology to transmit HD video over standard analog coax cabling, the OE-C3442 is an excellent solution for users looking to add HD video to their existing analog installation. Users can expect superior image quality in scenes with complex lighting thanks to true WDR and a 2.8mm~12mm autofocus lens. Low light performance is also improved by adaptive IR technology which prevents overexposure of objects close to the camera. The OE-C3442-AWR is IK10 and IP67 rated and functions down to -40° F making it a suitable for most climates and installation locations.



OE-C3422-WR



OE-C3442-AWR

VALUE PROPOSITION

OpenEye's new line of HD Analog cameras allows users to upgrade existing analog installations to 1080p HD video, in conjunction with an OpenEye OE-MA recorder, without incurring the material or labor costs of replacing the existing coax cabling. When purchased for use with an OpenEye OE-ME Hybrid HD Analog recorder they also ensure maximum compatibility for remote setup and configuration via UTC, further reducing installation costs.

CUSTOMER NEED, FEATURE FUNCTION, VALUE VS. ALTERNATIVE

Customer need	Feature / Function	Value vs. next best alternative
<p>More image detail: End-Users want high definition video with clear crisp images in even the most difficult high contrast scenes (outdoors scenes with heavy shadowing).</p>	<p>2MP resolution and True WDR: 2MP CMOS image sensor that produces clear and crisp high definition images and produces an image that does not have oversaturated white areas or under saturated black areas.</p>	<p>Value: True WDR in a powerful low cost 2MP HD-TVI camera. Next best alternative: Standard Analog with Digital WDR which produces lower resolution and is not capable of adjusting for as much contrast in a scene.</p>
<p>Cost effective pricing / high value: Channel partners want cost effective high quality product to compete against other low cost camera offerings.</p>	<p>Cost effective pricing with a full feature set: Cost effective price point in a small feature rich package that includes IR, True WDR, IP67, IK10 (3442 only), and a large offering of mounting accessories.</p>	<p>Value: A cost effective price point in a small feature rich package allows channel partners to compete with the low cost cameras flooding the market. Next best alternative: Mass market HD-TVI cameras identical to those being sold by their competition and online vendors without the benefits of OpenEye's HEROIC service and OWS.</p>
<p>New Technology with reduced labor and materials savings: Channel Partners want to save costs and reduce their overall labor and installation requirements which are very costly to their customer's bottom line but have the benefit of upgraded technology.</p>	<p>Retrofit Their Current Location: Saves costs by reducing the need to run new cabling and reduces the burden of system down time. They upgrade their NVR with our new MA series hybrid NVR and our new HD-TVI cameras while using their current cabling and power management infrastructure.</p>	<p>Value: Upgraded technology with reduced installation costs and reduced system down time. Next best alternative: Re-cabling their whole system. This can cost them thousands of dollars in labor, reduce productivity due to disruptions from installation crews, and increase their system down time.</p>
<p>IK10 Rating: End-Users want peace of mind in vandalism prone installation locations (<i>Available on 3442 model</i>).</p>	<p>IK10 Rating: Highly resistant vandalism materials that make it extremely resistant to impact from a hammer or baseball bat.</p>	<p>Value: Provides stability and more protection in vandalism prone locations. Next best Alternative: A camera with a lower or no IK rating making it more susceptible to damage in vandalism prone locations.</p>
<p>Easy Installation: Integrators want ease of install with reduced setup and maintenance costs.</p>	<p>Autofocus Lens: Autofocus lens allows the integrator to set the focal length and soft focus without expensive equipment and physical access to the camera. One integrator can optimize the settings remotely with UTC connection. If a change is needed, no need to roll a truck as all changes can be made remotely through the OSD menu. (<i>AF Available on 3442 model</i>)</p>	<p>Value: Integrators can set the focal length remotely without the need for multiple integrators or the need to roll a truck if the scene changes. Next Best Alternative: Manual Varifocal Lens requires additional equipment or two integrators for scene optimization. If the scene changes it requires the integrator to roll a truck to reconfigure the camera.</p>

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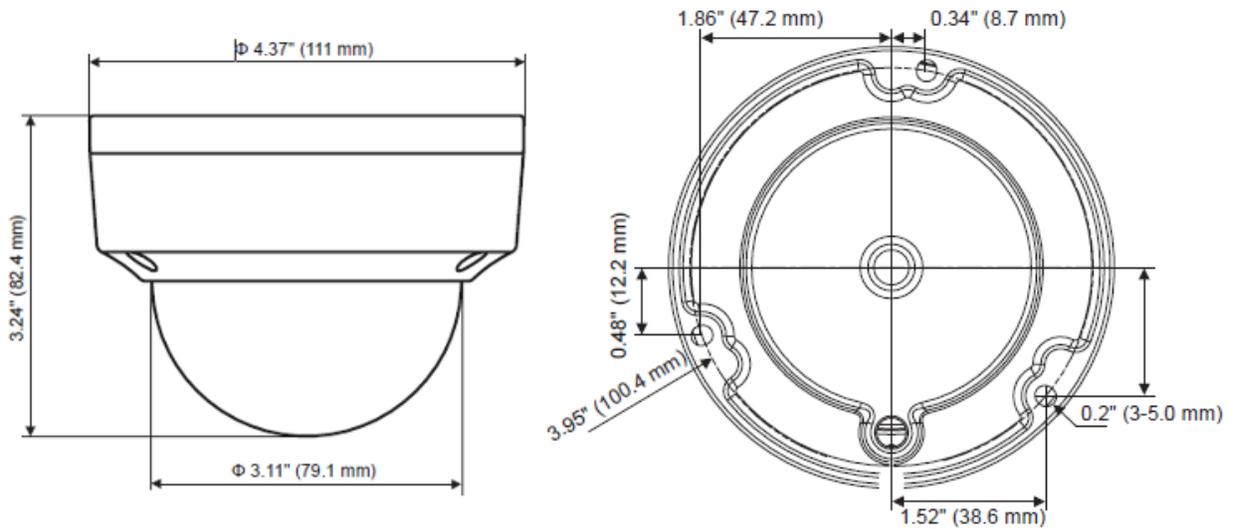
COMPARISON CHART

Below is the comparison of the OE-C3442-AWR and the OE-C3422-WR. The OE-C3442-AWR has the benefit of autofocus and an IK10 rating, while the OE-C3422-WR is a fixed lens camera with two different lens options.

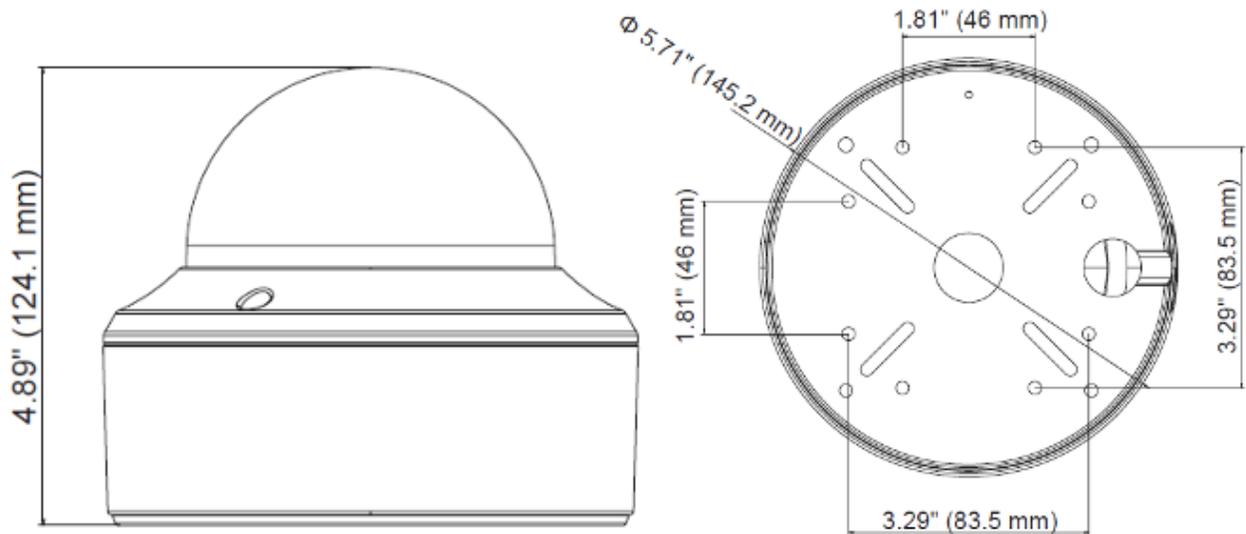
Model	OE-C3422-WR2/WR3	OE-C3442-AWR
Resolution	2MP	2MP
True WDR	Yes	Yes
Lens	2.8mm or 3.6mm	2.8mm ~ 12mm Autofocus
Input Voltage	12vDC	12vDC / 24vAC
IP Rating	IP67	IP67
IK Rating	IK07	IK10
IR Range	20M	40M
Heater	Yes (Passive)	Yes (Passive)
Dimensions	Φ: 4.4" (111mm) x H: 3.2" (82.4mm)	Φ: 5.72" (145.2mm) x H: 4.89" (124.1mm)
MSRP	\$115.00	\$185.00

LINE DRAWINGS

OE-C3422-WR



OE-C3442-AWR



SPECIFICATIONS

CAMERA	
Part Number	OE-C3422-WR2/3
Maximum Resolution	2MP
Image Sensor	1/3" Progressive CMOS
Type / Format	NTSC
Lens	2.8 mm / 3.6 mm
FoV	103.5° (2.8 mm), 82.6° (3.6 mm)
Iris Control	Fixed
Wide Dynamic Range	True WDR
Day/Night	True Day/Night: Auto/Color/BW (Black and White)
Minimum Illumination	Color: 0.005 Lux @ F2.0, AGC ON) BW: 0 Lux with IR (@ 30IRE)
White Balance	ATW/Manual
Auto White Balance Range	2200K - 15000K
Backlight Compensation	WDR/HLC/BLC/O'f
Auto Gain Control	Yes
Synchronization	Internal Synchronization

CAMERA	
Part Number	OE-C3442-AWR
Maximum Resolution	2MP
Image Sensor	1/3" Progressive CMOS
Type / Format	NTSC
Lens	2.8-12mm
FoV	32.1° - 103°
Iris Control	Auto-Iris
Wide Dynamic Range	True WDR
Day/Night	True Day/Night: Auto/Color/BW (Black and White)
Minimum Illumination	Color: 0.005 Lux @ F1.8, AGC ON) BW: 0 Lux with IR (@ 30IRE)
White Balance	ATW/Manual
Auto White Balance Range	2200K - 15000K
Backlight Compensation	WDR/HLC/BLC/O'f
Auto Gain Control	Yes
Synchronization	Internal Synchronization

ENVIRONMENTAL	
IP Rating	IP67
IK Rating	IK7
Operating Temperature	-40 - 140° F (-40 - 60 °C)
Heater	Yes

ENVIRONMENTAL	
IP Rating	IP67
IK Rating	IK10
Operating Temperature	-40 - 140° F (-40 - 60 °C)
Heater	Yes

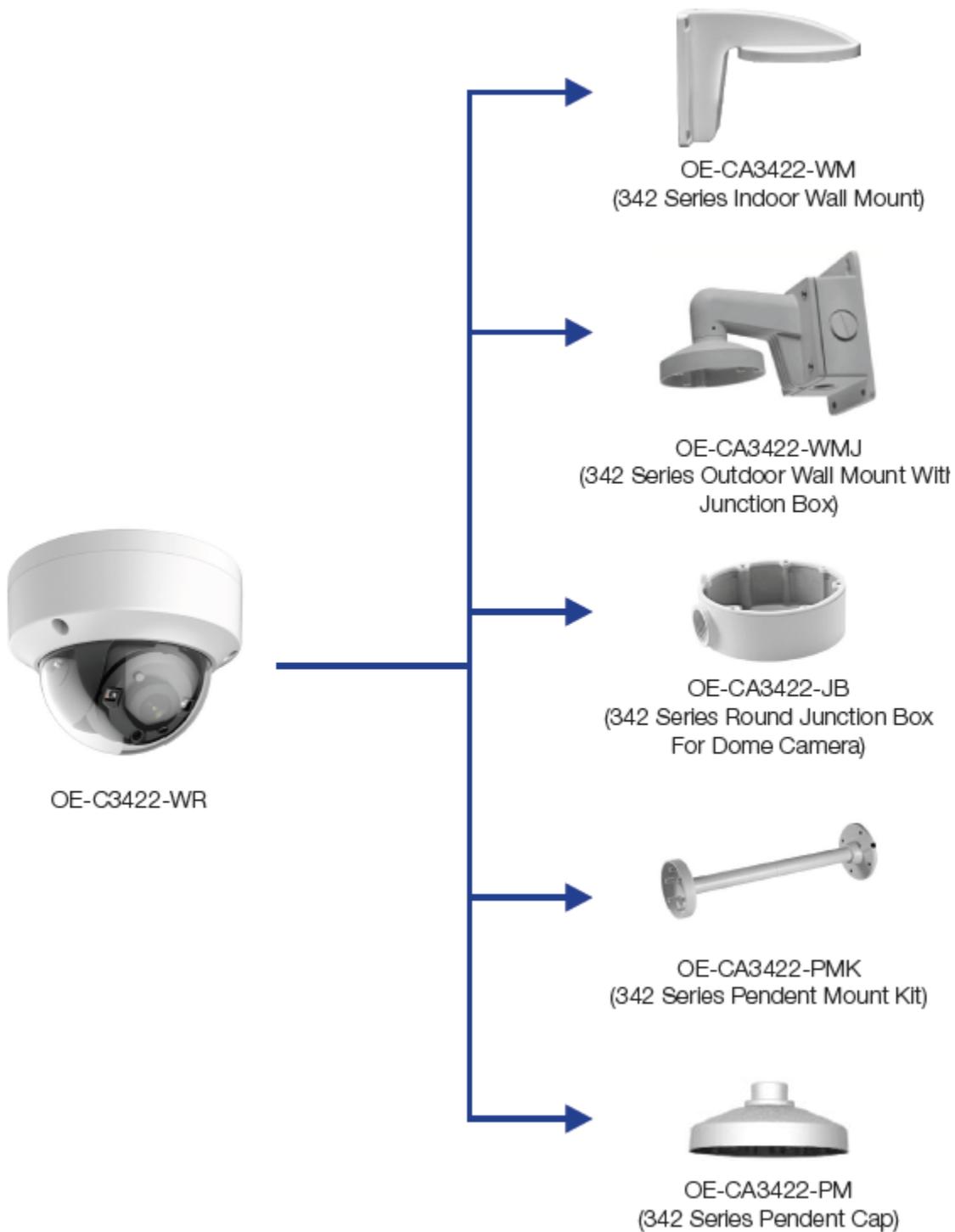
POWER	
Power Consumption	Max 3.5W
Input Voltage	12vDC

POWER	
Power Consumption	Max 7W
Input Voltage	12vDC / 24vAC

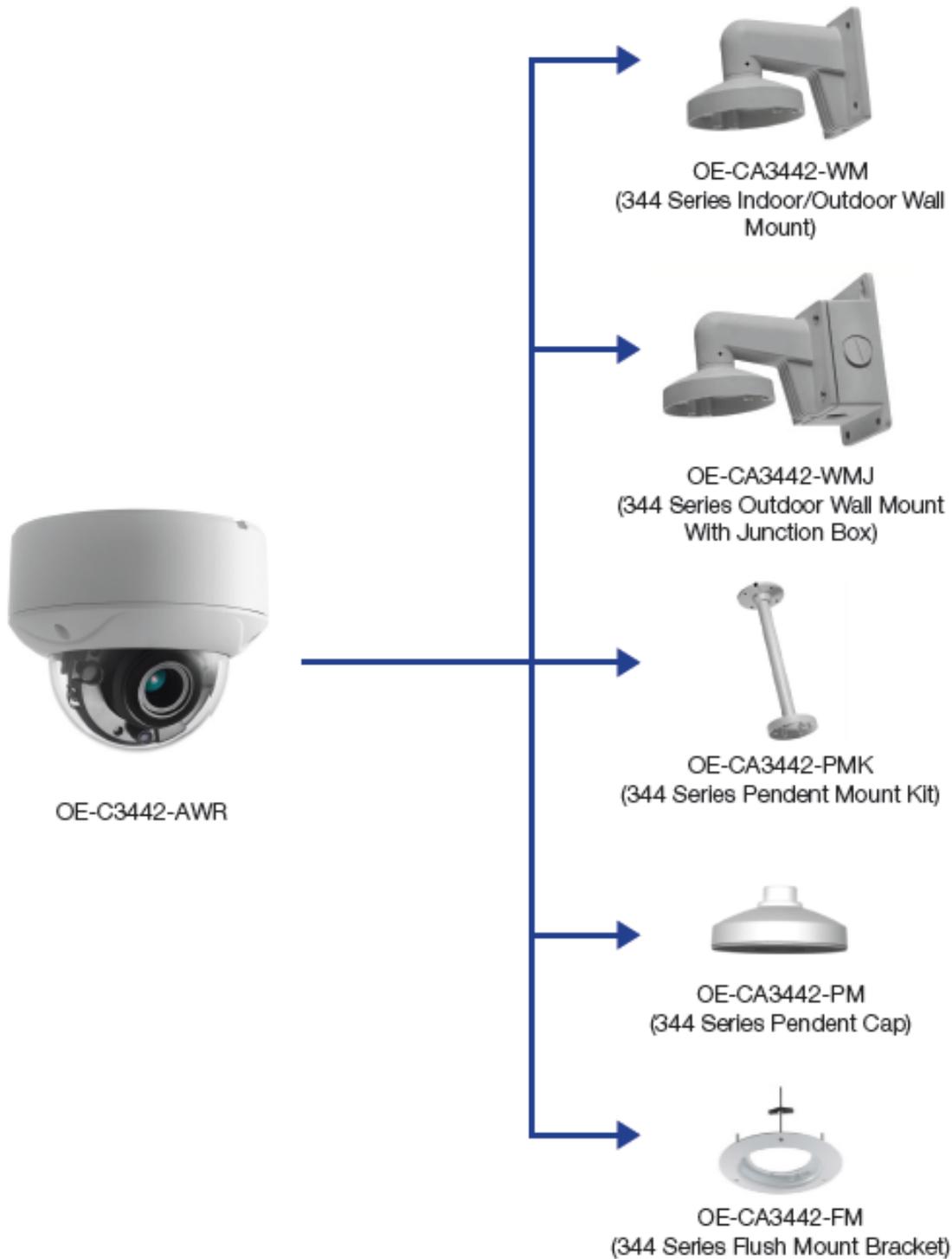
PHYSICAL	
IR Range	20M
Camera Weight	0.77lb (350g)
Dimensions	Φ: 4.4" (111mm) x H: 3.2" (82.4mm)
Housing	Metal Housing / White / Clear

PHYSICAL	
IR Range	40M
Camera Weight	3.53lbs (1600g)
Dimensions	Φ: 5.72" (145.2mm) x H: 4.89" (124.1mm)
Housing	Metal Housing / White / Clear

ACCESSORIES



ACCESSORIES



DOCUMENTATION

For the downloadable manual, specifications, quick start guide, and accessory tree please see the OE-C7422-WR and OE-C3442-AWR product pages at the links below:

<https://www.openeye.net/products/cameras/oe-c3442-awr>

<https://www.openeye.net/products/cameras/oe-c3422-wr>