

OE-C7032-WR 2MP COMPACT MINI-DOME IP CAMERA **OE-C7034-WR 4MP COMPACT MINI-DOME IP CAMERA** **OE-C7044-WR 4MP COMPACT MINI-BULLET IP CAMERA**

General Information:

Product Manager: Jacob Bird

Engineering Release Date: April 2017

Launch Date: End of June 2017 (OE-C7032-WR) / December 1st (OE-C7034-WR and OE-C7044-WR)

INTRODUCTION

OE-C7032-WR and OE-C7034-WR

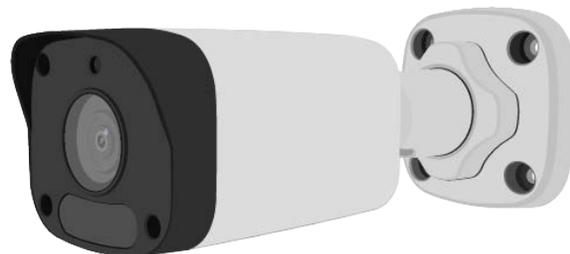
The OE-C7032-WR and OE-C7034-WR are rugged outdoor IP dome cameras equipped with a 2MP or a 4MP 2.8mm lens that provide crisp and clear images. These cameras include WDR and True Day/Night for improved low light performance, and adaptive IR technology to prevent overexposure of objects close to the camera. Network throughput and storage requirements are reduced thanks to H.264 smart encoding technology which dynamically compresses the cameras video to reduce its bitrate. Both camera models are IP66 rated and function down to -31°F making them a perfect fit for extreme weather installations. In addition, the OE-C7032-WR and OE-7034-WR are IK10 rated and can be fully powered over PoE, reducing installation labor and giving you peace of mind in vandalism prone installation locations.

OE-C7044-WR

The OE-C7044-WR is an outdoor IP mini bullet camera equipped with a 4MP 3.6mm lens that provides crisp and clear images. This camera includes WDR and True Day/Night for improved low light performance, and adaptive IR technology to prevent overexposure of objects close to the camera. Network throughput and storage requirements are reduced thanks to H.264 smart encoding technology which dynamically compresses the camera's video to reduce its bitrate. This camera is IP66 rated and functions down to -31°F making it a perfect fit for extreme weather installations. In addition, this camera can be fully powered over PoE, reducing labor costs by eliminating additional cabling requirements and its small form factor gives you peace of mind in any installation location.



OE-C7032-WR / OE-C7034-WR



OE-C7044-WR

VALUE PROPOSITION

OE-C7032-WR and OE-C7034-WR:

The OpenEye OE-C7032-WR and OE-C7034-WR are OpenEye's most compact and cost-effective IR equipped outdoor camera models with IR, WDR, IP66, and an IK10 rating. It allows channel partners to be even more competitive in quoting OpenEye cameras into bids.

OE-C7044-WR:

The OpenEye OE-C7044-WR is OpenEye's most compact and cost effective outdoor bullet model with IR, WDR, and an IP66 rating. It allows channel partners to be even more competitive in quoting OpenEye cameras into bids.

CUSTOMER NEED, FEATURE FUNCTION, VALUE VS. ALTERNATIVE

Customer need	Feature / Function	Value vs. next best alternative
More image detail: End-Users want to see more detail in high contrast scenes with areas that are very bright and others areas that are in shadow (outdoors scenes with heavy shadowing)	True WDR: Takes high contrast scenes and averages the highs and lows to produce an image that does not have oversaturated white areas or under saturated black areas where no detail is visible.	Value: True WDR in a powerful low cost camera Next best alternative: Digital WDR which is not capable of adjusting for as much contrast in a scene so cannot produce as much detail in a scene
Cost effective pricing / high value: Channel partners want cost effective high-quality product to sell against competitors' low-cost camera offerings.	Cost effective pricing with a full feature set: Cost effective price point in a small feature rich package that includes IR, True WDR, IP66, IK10, Smart Compression, and an offering of mounting accessories.	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 IP cameras identical to those being sold by their competition and online vendors.
Storage Savings: Channel Partners want to save costs and reduce their customers' storage requirements which can lower the overall cost of a quote and help win more business.	H.264 with smart compression: Saves storage costs by dynamically reducing the camera images bitrate.	Value: Reduced storage requirements Next best alternative: A camera with standard compression which can increase bit rate anywhere from 20%-60% when smart compression is not being used.
Clear video in low light: End-Users want clear video in scenes with no or low light regardless of a subject's location in the scene (close or far)	Adaptive IR: Illuminates a scene using invisible infrared light even when no or low visible light is present. The adaptive part of the technology adjusts the IR output so if an object is closer to the camera it does not get over illuminated and washed out, looks bright white, with no detail visible.	Value: Provides a clear image in low light situations without IR wash out. Next best alternative: Standard IR which without proper tuning can wash out the center of the image. This can result in an unusable image.
IK10 Rating (7032/34 Only): End-Users want peace of mind in vandalism prone installation locations	IK10 Rating: Highly strength housing construction that makes it extremely resistant to impact from a hammer or baseball bat.	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.

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COMPARISON CHART

OE-C7032-WR and OE-C7034-WR

The OE-C7032-WR and OE-C7034-WR are compared here to the OE-C7413-AWR. The OE-C7413 is the current generation camera model. The OE-C7413-AWR has the benefit of autofocus while the OE-C7032 and Oe-C7034-WR are both fixed lens cameras with an IK10 rating.

Model	OE-C7032-WR	OE-C7034-WR	OE-C7413-AWR
Resolution	2MP	4MP	3MP
True WDR	Yes	Yes	Yes
Lens	2.8mm	2.8mm	Autofocus: 3~9mm
Input Voltage	PoE or 12vDC	PoE or 12vDC	PoE (Class 3)
Audio	No	Yes	No
Alarm/Sensor	No	Yes	No
BNC Spot Out	No	No	No
IP66	Yes	Yes	Yes
IK10	Yes	Yes	No
IR Range	30m	30m	25m
Heater	-31°F (Passive)	-31°F (Passive)	No
Dimensions	Ø 4.28 inches x 3.2 inches	Ø 4.28 inches x 3.2 inches	Ø 4.6 inches x 3.36 inches
MSRP	\$185	\$285	\$350

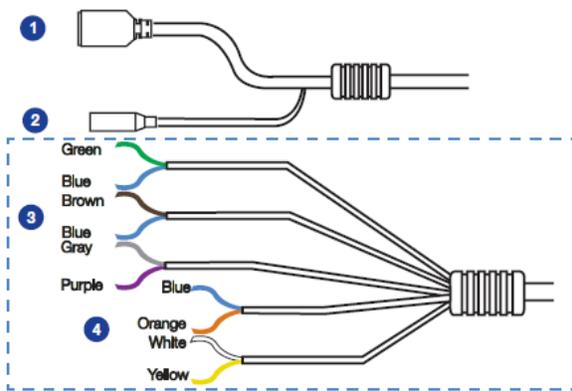
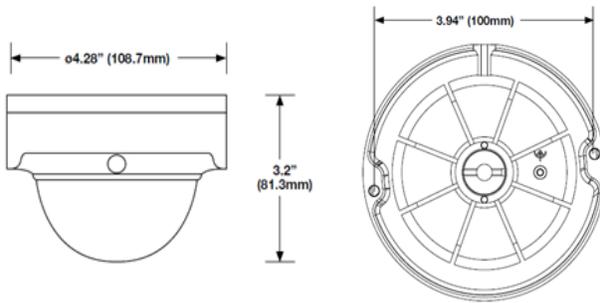
OE-C7044-WR

The OE-C7044-WR is compared here to the OE-C7224-AWR. The OE-C7224-AWR is the current generation camera model. The OE-C7224-AWR has the benefit of autofocus, audio and alarm I/O, and BNC out. While the OE-C7044-WR is a fixed lens camera that has the benefit of a small form factor and a more competitive price point.

Model	OE-C7044-WR	OE-C7224-AWR
Resolution	4MP	4MP
True WDR	Yes	Yes
Lens	2.8mm	3 ~ 10.5mm Auto Focus
Input Voltage	PoE or 12vDC	PoE (Class 3) / 12vDC / 24vAC
Audio	No	Yes
Alarm/Sensor	No	Yes
BNC Spot Out	No	Yes
IP66	Yes	Yes
IR Range	30m	30m
Heater	-31°F (Passive)	-40°F (Mechanical, full operation over PoE)
Dimensions	6.4 x 2.45in	10.5 x 2.375 x 3.5in
MSRP	\$239	\$757

Line Drawings

OE-C7032-WR and OE-C7034-WR Line Drawing and Connections

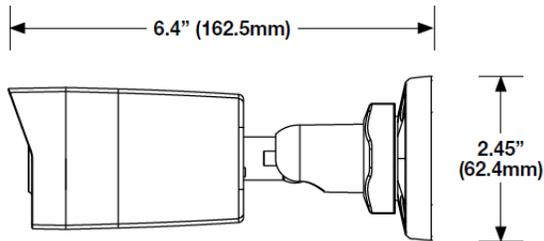


1	RJ-45	For network and PoE connections	
2	Power (12vDC)	Power connection	
3*	Audio I/O	Green	Audio In L
		Blue	Ground
		Brown	Audio In R
		Blue	Ground
		Gray	Do not use (Reserved)
		Purple	Do not use (Reserved)
4*	Alarm I/O	Blue	Ground
		Orange	Alarm Input
		White	Alarm Out -
		Yellow	Alarm Out +

*OE-C7034-WR only. Only one audio channel can be active at a time. Please see manual for more details.

OE-C7044-WR Line Drawing and Connections

SIDE VIEW



1	RJ-45	For network and PoE connections
2	Power (12vDC)	Power connection

SPECIFICATIONS

CAMERA		
Part Number	OE-C7032-WR	OE-C7034-WR
Maximum Resolution	2MP	4MP
Lens	2.8mm fixed	
Image Sensor	1/2.9" Progressive CMOS	1/3" Progressive CMOS
Video Compression	H.264	
Frame Rate	30 IPS @ 2MP H.264	20/25 IPS @ 4MP H.264
ONVIF	Profile S compliant	
Streaming	Dual streams	
Browser Support	Internet Explorer (6+) / Chrome / Firefox / Safari	
Day / Night	True Day/Night	
Wide Dynamic Range	True Wide Dynamic Range	
Field of View	105.2°	101.8°
Minimum Illumination @ 30IRE	Color: .2 lux BW: .01 lux	
White Balance	Auto / Manual / Scene	
Auto White Balance Range	2000k - 10000K	
Backlight Compensation	Variable	
Auto Gain Control	Yes	

ENVIRONMENTAL	
IP Rating	IP66
Operating Temperature	-31 ~ 140 °F (-35 ~ 60 °C)
UL Listed Product	Yes

POWER	
Power Consumption	Max 5.5W
Input Voltage	12VDC / PoE

PHYSICAL		
IR Range	Up to 30M	
IR LED	Auto / LED on / LED off / Smart IR / Light Sensor	
Audio In	N/A	2 channel
Alarm In/Out	N/A	4 line connection
microSD Card Slot	Up to 128GB	
Camera Weight	0.99lb (450g)	
Dimensions	ø4.28 x 3.2" (108.7 x 81.3mm)	
Housing / Dome Cover	Metal housing	

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CAMERA	
Part Number	OE-C7044-WR
Maximum Resolution	4MP
Lens	3.6mm
Image Sensor	1/3" Progressive CMOS
Video Compression	H.264
Frame Rate	20/25 IPS @ 4MP H.264
ONVIF	Profile S compliant
Streaming	Dual streams
Browser Support	Internet Explorer (6+) / Chrome / Firefox / Safari
Day / Night	True Day/Night
Wide Dynamic Range	True Wide Dynamic Range
Field of View	90.5°
Minimum Illumination @ 30IRE	Color: .2 lux BW: .01 lux
White Balance	Auto / Manual / Scene
Auto White Balance Range	2000k - 10000K
Backlight Compensation	Variable
Auto Gain Control	Yes

ENVIRONMENTAL	
IP Rating	IP66
Operating Temperature	-31 ~ 140 °F (-35 ~ 60 °C)
UL Listed Product	Yes

POWER	
Power Consumption	Max 6.4W
Input Voltage	PoE / 12VDC

PHYSICAL	
IR Range	Up to 30M
IR LED	Auto / LED on / LED off / Smart IR / Light Sensor
Camera Weight	0.99lb (450g)
Dimensions	6.4 x 2.45in (162.5 x 62.4mm)
Housing	Metal housing

DOCUMENTATION

For the downloadable manual, specifications, quick start guide, and accessory tree please see the OE-C7032-WR, OE-C7034-WR and OE-C7044-WR Product Pages:

OE-C7032-WR: <https://www.openeye.net/products/cameras/oe-c7032-wr>

OE-C7034-WR: <https://www.openeye.net/products/cameras/oe-c7034-wr>

OE-C7044-WR: <https://www.openeye.net/products/cameras/oe-c7044-wr>