

OE-C7624-AWR REV B | OUTDOOR 4MP IR IP DOME CAMERA

General Information:

Product Manager: Sean McCall

Engineering Release Date: 09/23/2019

Launch Date: Q1 2020

INTRODUCTION

OE-C7624-AWR REV B

The OE-C7624-AWR REV B is high powered outdoor IP dome camera equipped with a 4MP 2.7~12mm motorized autofocus lens that provides crisp and clear images. The camera offers improved true WDR and True Day/Night for significantly improved low light performance, and adaptive IR technology to prevent overexposure of objects close to the camera. Network throughput and storage requirements are reduced with H.264 or H.265, both using smart compression technology with low bitrate control which dynamically compresses the camera's video to reduce its bitrate. The camera is IP66 rated and functions down to -40°F making it the preferred camera for extreme weather installations.

The OE-C7624-AWR REV B is ONVIF™ profile S/G/T compliant and fully compatible with the OpenEye Web Services platform, allowing multiple users to concurrently view high quality images and perform remote setup using a Web browser.

IN BRIEF

- 2.7~12mm 4X Optical Zoom Motorized Autofocus Lens
- Increased optical zoom from 3X to 4X
- IP66 rated for outdoor installation
- Adaptive IR
- H.265 Codec option
- Improved Smart Compression
- Improved WDR image processing
- Retains BNC out



VALUE PROPOSITION

OpenEye is releasing a new revision of the OE-C7624-AWR dome camera. The OE-C7624-AWR REV B is an indoor/outdoor 4MP autofocus dome providing improved image detail and quality, reduced video transmission bitrates, improved environmental tolerances, and longer focal range at the same price point.

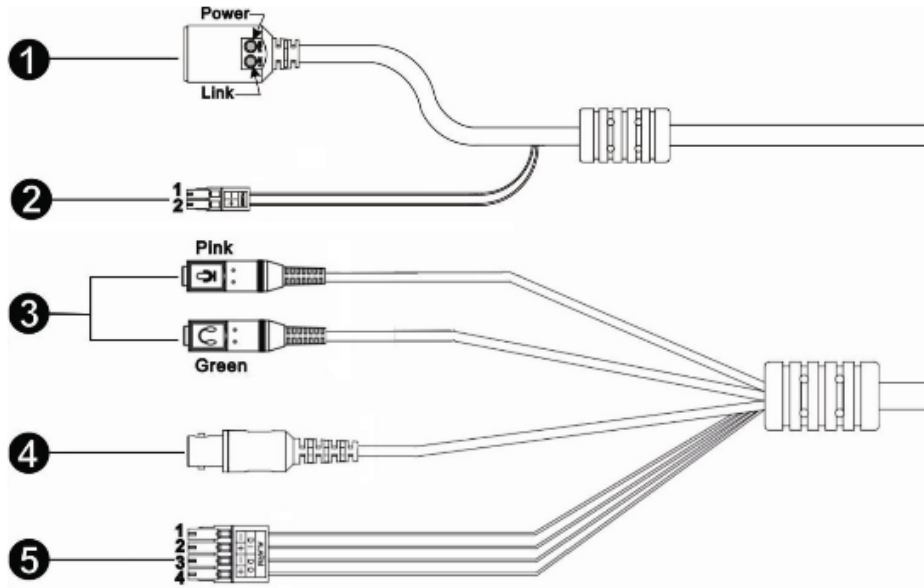
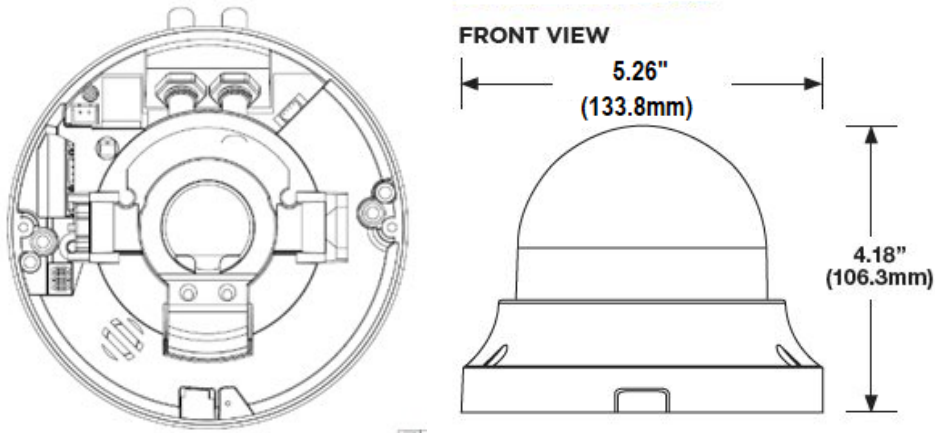
CUSTOMER NEED, FEATURE FUNCTION, VALUE VS. ALTERNATIVE

Customer need	Feature / Function	Value vs. next best alternative
<p>Improved image detail: Users want to see more detail in high contrast scenes with areas that are very bright and others areas that are in shadow (outdoor scenes with heavy shadowing)</p>	<p>Improved WDR: Takes high contrast scenes and averages the highs and lows to produce an image with improved detail.</p>	<p>Value: True WDR in a powerful low-cost camera with up to 4MP resolution</p> <p>Next best alternative: Digital WDR which is not capable of adjusting for as much contrast in a scene.</p>
<p>Clear video in low light: Users want clear video in scenes of extreme low light regardless of a subject's location in the scene (near or far).</p>	<p>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 when an object is close to the camera so it does not get over illuminated and washed out, and instead retains detail and clarity.</p>	<p>Value: Provides a clear image in low light situations without IR wash out.</p> <p>Next best alternative: Standard IR can wash out the center of the image resulting in an unusable image.</p>
<p>Lower cost solutions: End-Users and Channel Partners want lower cost recording solutions.</p>	<p>H.264, H.265, Smart Compression: Reduces the bitrate of video data transmitted from the camera.</p>	<p>Value: Reduced video storage requirements can reduce storage costs or increase storage retention time, both of which can help win more business. Lower bandwidth requirements can also save on network infrastructure costs.</p> <p>Next best alternative: A camera with standard compression which consumes more storage space and increases system costs.</p>
<p>Improved mobile performance: Users want better performance when viewing video remotely, even in environments with poor network performance.</p>	<p>H.264, H.265, Smart Compression: Reduces the bitrate of video data transmitted from the camera.</p>	<p>Value: Reduced camera bitrates reduce network loads which can improve remote viewing performance in bandwidth restricted environments.</p> <p>Next best alternative: A camera with standard compression and poorer remote performance.</p>
<p>Cost effective pricing / high value: Improved features and quality at the same or reduced price point.</p>	<p>Improved features and image quality without increasing cost: Provides customers a better camera at no additional cost.</p>	<p>Value: Added Adaptive IR, improved WDR, added H.265 support and improved Smart Compression for H.264, for a camera and price the customer has already accepted.</p> <p>Next best alternative: More expensive mass market IP cameras sold by competitors.</p>

COMPARISON CHART

Model	OE-7624-AWR REVB	OE-C7624-AWR (previous model)	OE-C7084-WR	OE-C7034-WR
Resolution	4MP	4MP	4MP	4MP
Smart Compression	Yes	Yes	Yes	Yes
True WDR	Yes	Yes	Yes	Yes
Lens	2.7 ~ 12mm, 4X Optical Zoom	3 ~ 9mm, 3X Optical Zoom	2.8 ~ 12mm, 4X Optical Zoom	2.8mm fixed
Field of View	31° ~ 99°	33° ~ 99°	27° ~ 91°	101.8°
Autofocus	Yes, Motorized	Yes, Motorized	Yes, Motorized	No
IP Rating	IP66	IP66	IP67	IP66
IK Rating	-	-	IK10	IK10
IR Range	Up to 130 feet	Up to 130 feet	Up to 98 feet	Up to 98 feet
Heater	Yes	Yes	No	No
Temperature Range	-40° ~ 131°F	-40° ~ 122°F	-40°F ~ 140°F	-31° ~ 140°F
Input Voltage	12vDC / 24vAC / PoE	12vDC / 24vAC / PoE	PoE / 12vDC	PoE / 12vDC
Power Consumption	Max 13.68W	Max 13W	Max 8.5W	Max 5.5W
BNC Out	Yes	Yes	No	No
Dimensions	5.26" x 4.18" (133.8 x 106.3mm)	5.26" x 4.18" (133.8 x 106.3mm)	5.8" x 4.4" (148mm x 111.8mm)	4.28 x 3.2" (108.7 x 81.3mm)

LINE DRAWINGS



SPECIFICATIONS

CAMERA	
Part Number	OE-C7624-AWR REV B
Maximum Resolution	4MP
Lens	2.7 ~ 12mm motorized lens
Image Sensor	1/2.7" Progressive CMOS
Video Compression	H.264 / H.265 / MJPEG
Frame Rate	30FPS @ H.264 4MP
ONVIF	Profile S / G / T compliant
Streaming	Up to 3 simultaneous streams
Browser Support	Internet Explorer (6+) / Chrome / Firefox / Safari
Day / Night	True Day / Night
Wide Dynamic Range	Shutter Wide Dynamic Range
Field of View	99° (wide), 31° (tele)
Iris	P-iris F1.6
Minimum Illumination @ 30IRE	Color: 0.1 Lux B&W: 0.01 Lux
White Balance	Auto / Manual / ATW / One Push
Auto White Balance Range	2700K ~ 7800K
Backlight Compensation	2500K ~ 10000K
Auto Gain Control	Yes
ENIRONMENTAL	
IP Rating	IP66
Operating Temperature	w/o Heater: -22 ~ 131 °F (-30 ~ 55 °C) w/ Heater: -40 ~ 131 °F (-40 ~ 55 °C)
Heater (Cold Start)	w/o Heater: -22 ~ 131 °F (-30 ~ 55 °C) w/ Heater: -40 ~ 131 °F (-40 ~ 55 °C)
UL Listed Product	
POWER	
Power Consumption	Max 13.68W
Input Voltage	12vDC / 24vAC / PoE
PoE Class	0
PHYSICAL	
IR Range	Up to 130ft
IR LED	Auto / LED on / LED off / Smart IR / Light Sensor
Analog Output	1.0 Vp-p / 75 Ω, BNC
Audio In/Out	1 Audio In - Stereo phone jack, ø 3.5mm 1 Audio Out - Stereo phone jack, ø 3.5mm
Alarm In/Out	1 Alarm In / 1 Alarm Out

The information contained in this document may be privileged, confidential and protected from disclosure. This information is subject to change without prior notice. OpenEye does its best to provide accurate information but cannot be held responsible for typos or mistakes.

microSD Card Slot	microSD / microSDHC / microSDXC up to 64GB support
Camera Weight	1.19lb (540g)
Dimensions	W: 5.26" x H: 4.18" (133.8 x 106.3mm)
Housing / Dome Cover	Plastic / Metal Housing
Country of Origin	Taiwan

ACCESSORIES



Indoor 4S Box Plate
OE-CA6000M4S



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



7.25" Wall Mount
OE-CA510W



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



13.5" Wall Mount
OE-CA510WL



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



1.25" Threaded Pipe Adapter
OE-CA510PA25



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



1.5" Threaded Pipe Adapter
OE-CA510PA50



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



20" Ceiling Pole Mount
OE-CA510P50



Pendant Mount Adapter
OE-CA75APM



Pendant Mount
OE-CA75PM



10" Ceiling Pole Mount
OE-CA510P25



Pendant Mount Adapter
OE-CA75APM



Short Arm Pendant Mount Kit
OE-CA97WMS



Pendant Mount Adapter
OE-CA75APM



Long Arm Pendant Mount Kit
OE-CA97WML



Pendant Mount Adapter
OE-CA75APM



Short Arm Pole Mount Kit
OE-CA97PLMS



Pendant Mount Adapter
OE-CA75APM



Long Arm Pole Mount Kit
OE-CA97PLML



Pendant Mount Adapter
OE-CA75APM



Short Arm Corner Mount Kit
OE-CA97CMS



Pendant Mount Adapter
OE-CA75APM



Long Arm Corn Mount Kit
OE-CA97CML

DOCUMENTATION

For the manual, specifications, quick start guide, and accessory tree on the product page at the link below:

<https://www.openeye.net/products/cameras/oe-c7624-awr>