

OE-C97512 - INDOOR/OUTDOOR 12MP 360° FISHEYE IP CAMERA

General Information:

Product Manager: Mike Bronson

Launch Date: January 7th, 2019

INTRODUCTION

OE-C97512

The OE-C97512 Ultra High Definition 360° 12MP camera delivers superior IP video quality while capturing activity in all directions. This camera comes with embedded IR LEDs to enhance the quality of nighttime images. Additional features include true day/night images, D-WDR, multi-stream capability and full 180° horizontal field of view. The Smart Compression option reduces storage requirements by up to 70% while maintaining high resolution video allowing you to meet video retention and resolution requirements for less. The OE-C97512 is IK10 rated and comes in an IP66-rated weatherproof housing.

All OpenEye IP cameras are ONVIF™ compliant and are compatible with the OpenEye Web Services platform, allowing users to perform remote setup using a web browser and multiple users to view high quality images simultaneously.



OE-C97512

SUMMARY

- 12MP (4000x3000) maximum resolution
- True Day/Night functionality
- Digital Wide Dynamic Range
- 1.8mm@F2.4 Lens
- Integrated IR LEDs
- IP66 rated for outdoor installation
- IK10 rated for vandal resistant protection
- H.264 with smart compression technology
- ONVIF™ Profile S compliant
- 180° field of view (FoV)

VALUE PROPOSITION

OpenEye is releasing its newest generation of 360° (fisheye) dome, the 12MP OE-C97512, with a rugged IP66 and IK rated housing this ultra-high definition resolution. Key benefits include improved image quality at 12MP (current 360 models only have 6MP), an increase in IR range (up to 10M), lower video transmission bitrates with enhanced H.264 compression, a longer focal range with a 1.8mm lens, and an all new accessory mounting lineup.

CUSTOMER NEED, FEATURE FUNCTION, VALUE VS. ALTERNATIVE

Customer need	Feature / Function	OE-C97512 Value
Greater image quality: End-users want to see more detail and higher quality video	12MP (4000x3000) maximum resolution	2x resolution over previous generation: Increased resolution gives end users greater image quality and the ability to see more. Crystal clear images at max resolution provide much greater image detail.
Easy to install	Single cable whip and a full line of new accessory mounting options available	Custom designed cable whip provides a very easy installation experience. Variety of Indoor/Outdoor accessories provide a complete line up of mounting options
Improved out-of-box experience	Familiar easy to use interface and optimal default settings configured for best overall image quality and performance	Overall out-of-box experience is greatly improved.
All-in-one indoor/outdoor protection	Rated for IP66 and IK10	IP66 Ingress Protection and IK10 vandal resistant are all in one with the new OE-C97512 model.

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Lower cost solutions: End-users and Channel Partners want lower cost recording solutions.	360° field of view coverage is greater than standard IP cameras with up to 8 ROIs.	Greater overall field of view coverage reduces number of cameras needed which means less infrastructure to keep up, and less maintenance to perform throughout the life of the install.
More efficient storage retention: End-users and Channel Partners want to reduce storage requirements and increase storage retention	H.264 with smart compression	Reduces the bitrate of video data transmitted from the camera which reduces video storage requirements and increases storage retention time.

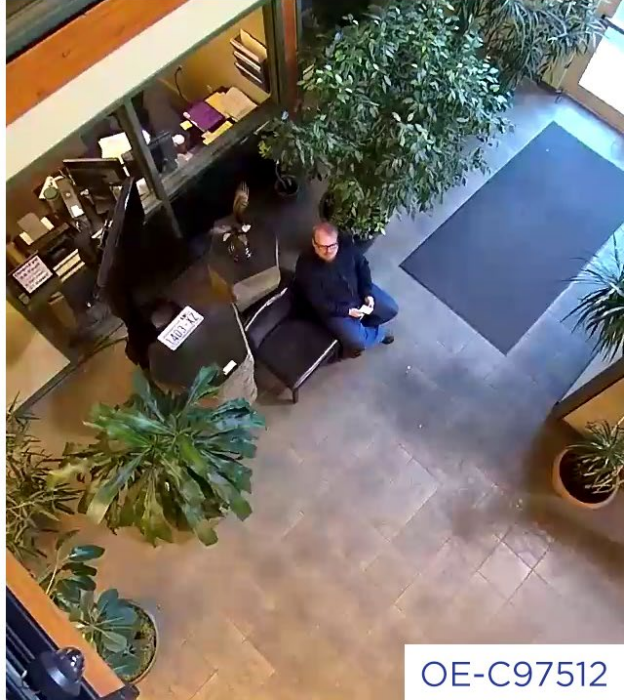
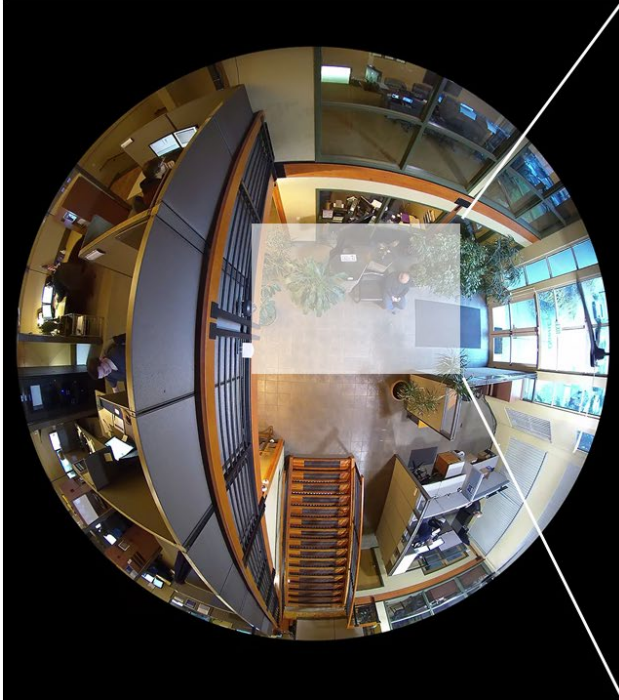
COMPARISON CHART

Below is the comparison of the OE-C97512, OE-C9716, OE-C9616. All are current generation cameras.

Model	OE-C97512	OE-C9716	OE-C9616
Resolution	12MP	6MP	6MP
Smart Compression	Yes	Yes	Yes
WDR	Digital	Digital	Digital
True Day/Night	Yes (movable IR cut filter)	Yes (movable IR cut filter)	Yes (movable IR cut filter)
Lens	1.8mm	1.05mm	1.55mm
IP Rating	IP66	IP66	No
IK Rating	IK10	IK10	No
Max IR Range	10M (33ft)	5M (15ft)	5M (15ft)
Heater	Yes (Passive)	Yes (Passive)	Yes (Passive)
Temperature Range	-31 ~ 140° F (-35 ~ 60° C)	14 ~ 122 °F (-10 ~ 50 °C)	14 ~ 122 °F (-10 ~ 50 °C)
Input Voltage	PoE / 12vDC	PoE / 12vDC	PoE / 12vDC
Power Consumption (Over PoE)	21W	9W	9W
Dimensions	5.87 x H: 2.17" (149 x H: 55mm)	4.6 x H: 1.53" (117 x H: 39mm)	5.87 x H: 1.8" (149 x H: 45.8mm)

IMAGE COMPARISON

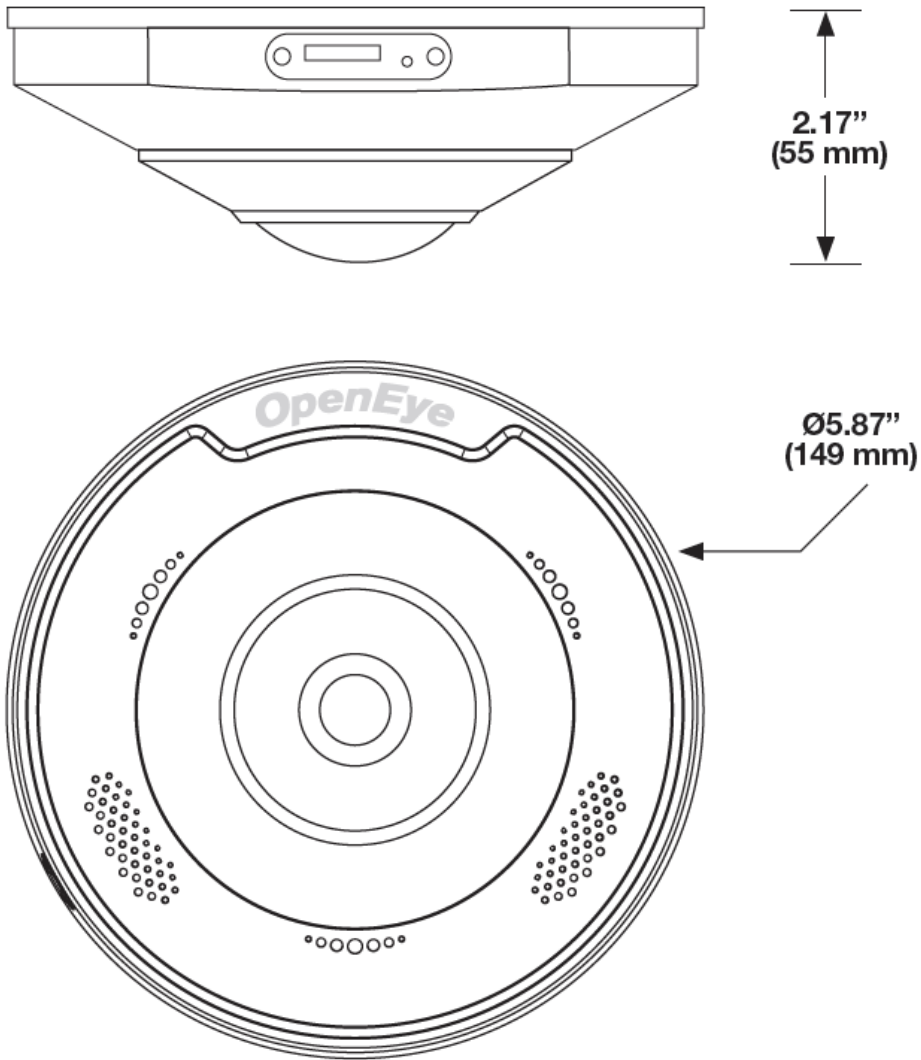
The OE-97512 delivers twice the resolution of the OE-C9716/9616



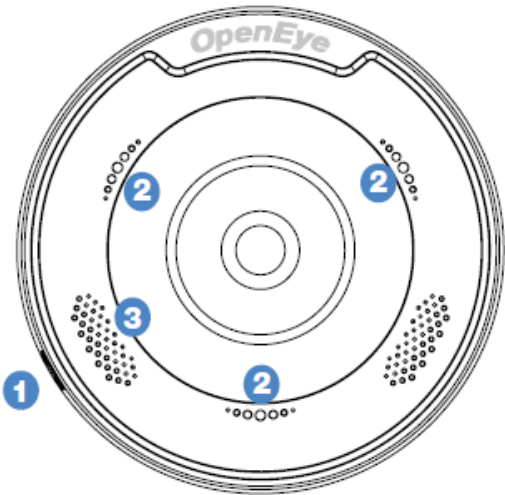
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LINE DRAWINGS

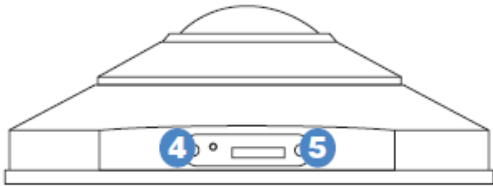
DIMENSIONS



CONNECTIONS



OE-C97512		
Cover release	1	To access mounting holes, reset, and microSD slot
Built-In microphones	2	Audio In
Speaker	3	Audio Out
Reset button (Under Cover)	4	Press and hold this button for 20 seconds within 5 minutes of power cycling to reset the camera to factory defaults
microSD slot (Under Cover)	5	Insert microSD card to store video and images

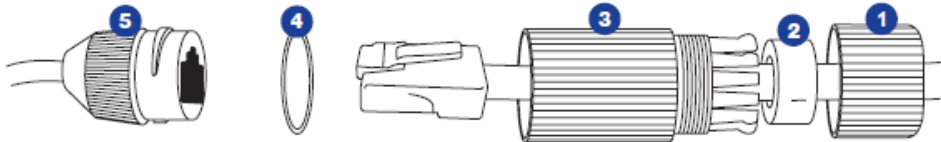


NOTE It is not recommended to record continuously to the microSD card.



Cable Connections		
RJ-45	1	Data Connection
Audio I/O	2	Audio In
		Audio Out

Waterproof Cable



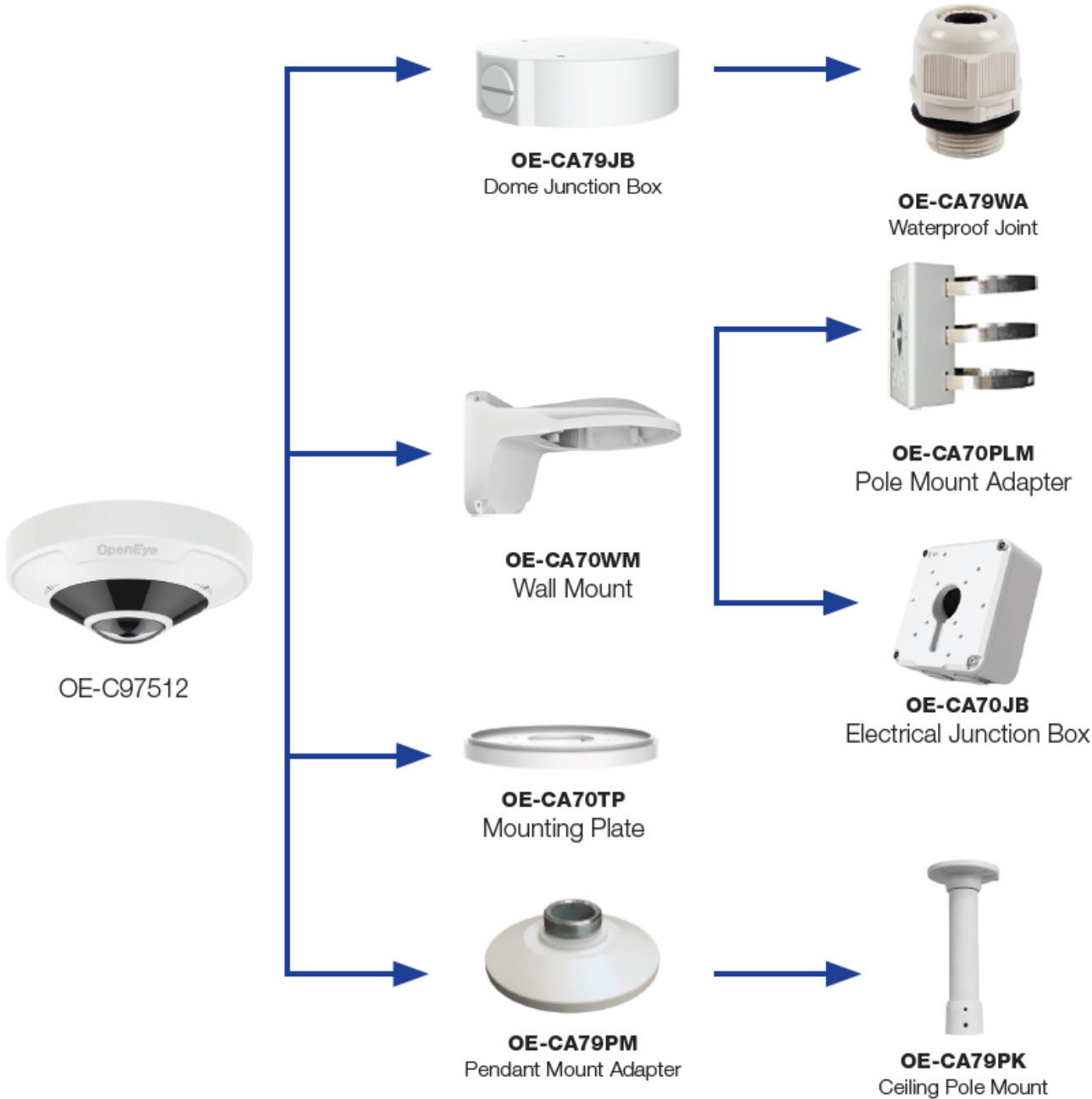
1	Thread lock cap	4	Rubber "O" ring
2	Rubber plug	5	Camera cable
3	RJ45 enclosure		

SPECIFICATIONS

CAMERA	
Part Number	OE-C97512
Maximum Resolution	12MP (4000x3000)
Lens	1.8mm @F2.4
Image Sensor	1/1.7" progressive scan, CMOS
Video Compression	H.264 Enhanced, MJPEG
Frame Rate	15 IPS @ H.264 12MP (4000x3000) - Fisheye Main Stream 15 IPS @ H.264 3MP (2000x1500) - Fisheye Sub Stream 15 IPS @ H.264 12MP (4000x3000) - Panorama
ONVIF	Profile S compliant
Streaming	Dual streams (Primary/Secondary)
Browser Support	Internet Explorer / Chrome / Firefox / Safari
Day / Night	True Day/Night
Wide Dynamic Range	Digital Wide Dynamic Range
Field of View	180° Horizontal
Minimum Illumination @ 30IRE	Color: .05 lux / IR: 0 lux
White Balance	Manual / AWB / ATW / One Push
Auto White Balance Range	2700K ~ 7800K
Backlight Compensation	Yes
Auto Gain Control	Yes
ENIRONMENTAL	
IP Rating	IP67
Vandal Resistant	IK10
Operating Temperature	-31 ~ 140° F (-35 ~ 60° C)
UL Listed Product	Yes
POWER	
Power Consumption	Max 21W
Input Voltage	PoE / 12vDC
PHYSICAL	
IR Range	Up to 10M (33ft)
IR LED	Auto / LED on / LED off / Smart IR / Light Sensor
Audio In/Out	1 Channel
microSD Card Slot	128GB
Camera Weight	1.1lb (0.5kg)
Dimensions	5.87 x H: 2.17" (149 x H: 55mm)
Housing / Dome Cover	Metal / Plastic

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ACCESSORIES



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OE-C97512



OE-CA79PM
Pendant Mount Adapter



OE-CA821TMA
Threaded Mount Adapter



OE-CALPS
Short Arm Pole Mount Kit



OE-CALPL
Long Arm Pole Mount Kit



OE-CALCS
Short Arm Corner Mount Kit



OE-CALCL
Long Arm Corner Mount Kit



OE-CA510W
7.25" Wall Mount



OE-CA510WL
13.5" Wall Mount



OE-CA510P25
10" Ceiling Pole Mount



OE-CA510P50
20" Ceiling Pole Mount

DOCUMENTATION

Find the manual, specifications, quick start guide, accessory tree, and product page at the links below:

Product Page

<https://www.openeye.net/products/cameras/oe-c97512>

Spec Sheet

<https://www.openeye.net/documents/oe-c97512-spec-sheet>

Quick Start Guide

<https://www.openeye.net/documents/oe-c97512-quick-start-guide>