

OE-C8213 INDOOR/OUTDOOR 3MP 30X IP PTZ DOME

General Information:

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INTRODUCTION

OE-C8213 PTZ

The OpenEye OE-C8213 IP PTZ camera provides users with crystal clear video thanks to 3MP resolution and 30x optical zoom. Continuous 360° rotation and a 190° tilt range make this camera a versatile PTZ solution for live monitoring environments. True WDR and true day/night produce superior video in a variety of lighting conditions. This camera offers PTZ operation using PoE+ power for easy single-cable installation.

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-C8213 PTZ

SUMMARY

- 3MP (2048 x 1536) maximum resolution
- True WDR and True Day/Night functionality
- 30x Zoom Lens (4.3 ~ 170 mm)
- Threaded mount instead of proprietary mount type
- IP67 rated for outdoor installation
- IK10 rated for vandal resistant protection
- H.264 with smart compression technology

VALUE PROPOSITION

OpenEye is releasing a new and improved IP PTZ camera. With a 3MP image sensor, 30x optical zoom, True WDR and True Day/Night, the OE-C8213 provides increased performance and superior image quality to prior generation PTZ cameras. The C8213 is an IP66 and IK10 rated indoor/outdoor camera. The new threaded mount style is an improvement over the proprietary mount style from prior models. A threaded adapter (Part# OE-CA821TMA) is required to connect the OE-C8213 to the camera accessories or to retrofit existing installations. The OE-CA821TMA adapter will be included standard with every OE-C8213.

CUSTOMER NEED, FEATURE FUNCTION, VALUE VS. ALTERNATIVE

Customer Need	Feature / Function	OE-C8213 Value
Customers 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).	True WDR: Takes high contrast scenes and average the highs and lows to produce an image where greater detail is visible.	The C8213 adds True WDR which provides greater image detail. Next best alternative: Digital WDR which is not capable of adjusting for as much contrast in a scene. Lower resolutions that cannot produce as much detail.
Customers need greater image clarity at greater distances.	Improved lens and greater zoom performance: Provide cleaner images/video when a subject's location in the scene is further away.	The C8213 lens offers 30x zoom functionality Next best alternative: Previous generation PTZs were only capable of 20x zoom
Customers need improved video storage requirements. Lower storage costs and increased storage retention time.	H.264 with smart compression technology: Reduces the bitrate of video data transmitted from the camera.	The C8213 supports H.264 with smart compression technology. Next best alternative: Previous generation PTZs did not support smart compression.
Customers want a non-proprietary mount type.	Threaded Mount: Provides compatibility with a wider variety of accessories types.	The C8213 has a 1.5-inch male threaded mount type. A threaded adapter is included standard and connects to all current accessories and can also be used to retrofit existing installations.

COMPARISON CHART

Model	OE-C8213	OE-C8103	OE-C8203
Indoor/Outdoor	Indoor/Outdoor	Indoor	Outdoor
Resolution	3MP	3MP	3MP
WDR	True WDR	Digital WDR	Digital WDR
Lens	4.3~170 mm 30x Zoom Autofocus	4.7~94 mm 20X Zoom Autofocus	
FoV	62° (Wide); 2° (Tele)	55.2° (Wide); 2.93° (Tele)	
IP Rating	IP66	No	IP66
IK Rating	IK10	No	No
True Day/Night	Yes	Yes	Yes
BNC Output	Yes	Yes	Yes
Mount Type	1.5-inch male threaded	Proprietary	Proprietary
Dimensions	210 x 279 mm (8.2 x 11.1 in.)	171.7 x 228.7 mm (6.7 x 9 in.)	191.9 x 282.1 mm (7.5 x 11.1 in.)
MicroSD Card Slot	SD/SDHC/SDXC 128GB support	SDXC 64GB support	SDXC 64GB support

IMAGE COMPARISON

OE-C8103 and OE-C8203 maximum zoom @20x

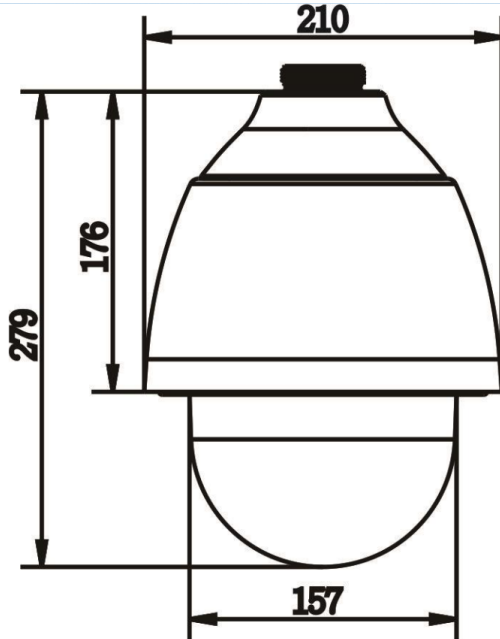


OE-C8213 maximum zoom @30x



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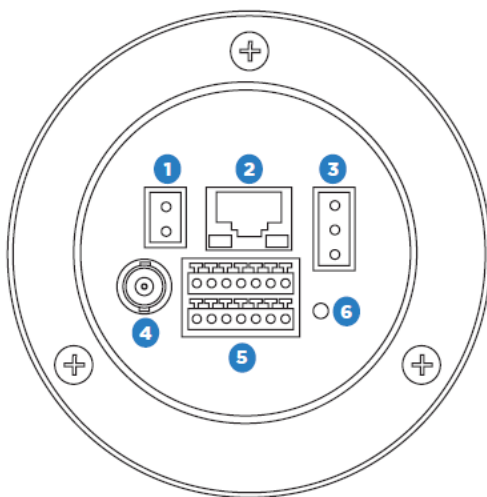
LINE DRAWINGS



Unit: mm

CONNECTIONS

24vAC / PoE+



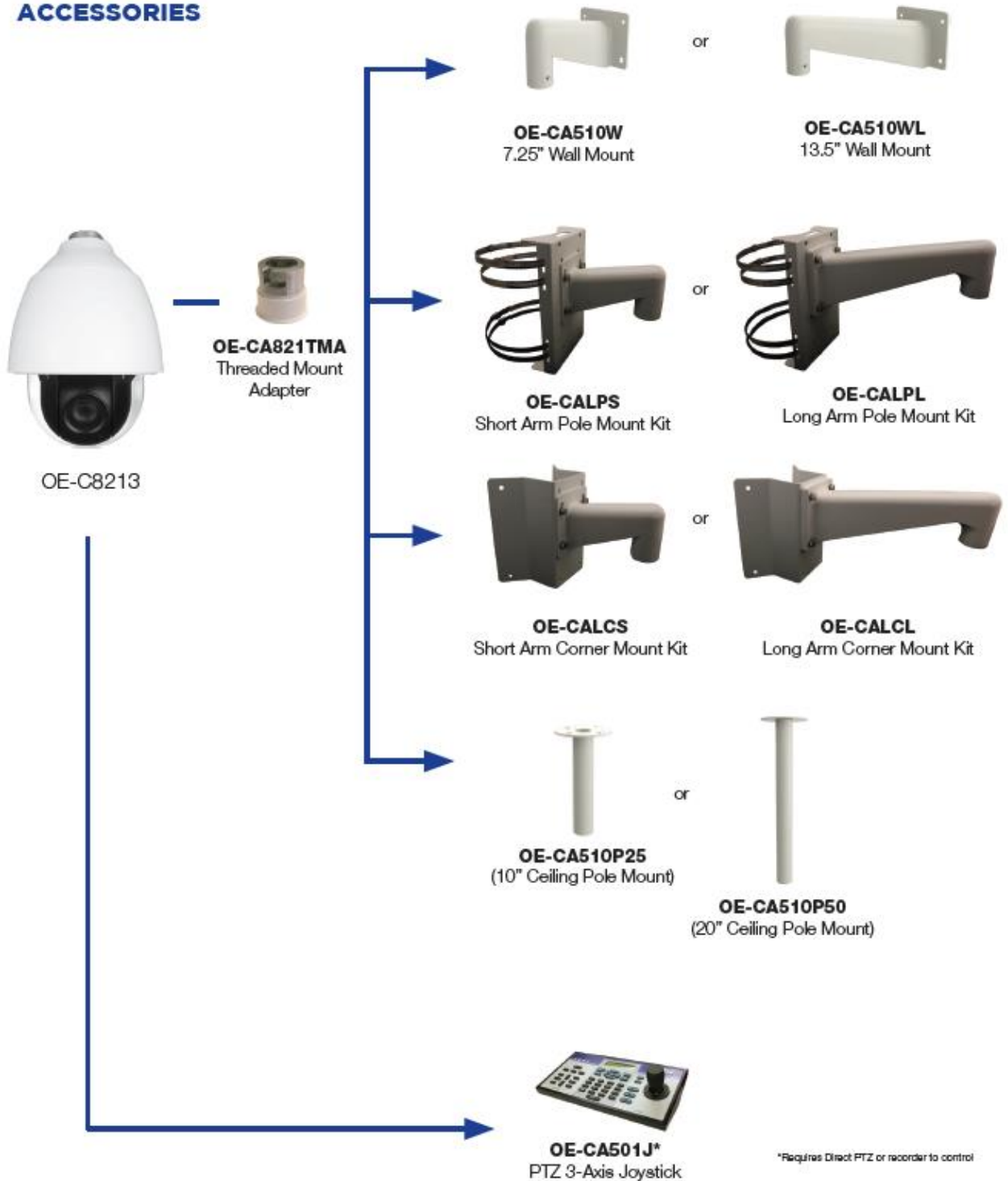
Power (12vDC)	1	Power supply to camera for non-PoE networks
RJ-45	2	For network and PoE+ connections
Power (24vAC)	3	Power supply to camera for non-PoE networks
BNC	4	For analog video output
I/O Connections	5	Alarm, Audio and RS-485 I/O connections
Reset Button	6	Reset the camera to the factory default
SD Card Slot (under dome)		Insert the SD card into the card slot to store videos and snapshots

SPECIFICATIONS

Camera Model	OE-C8213
Maximum Resolution	3MP (2065x1553)
Image Sensor	Sony 3M - 1/2.8" Progressive CMOS
Video Compression	MJPEG / H.264+ / H.265
Frame Rate	30 IPS @ 3M H.264+
ONVIF	Profile S
Streaming	Up to x4 simultaneous streams
Browser Support	Internet Explorer / Edge / Chrome / Firefox / Safari
Day / Night	True Day / Night
Wide Dynamic Range	True WDR On / Off
Lens	4.3 ~ 170 mm 30x Zoom Lens
Horizontal Field of View	62° (Wide); 2° (Tele)
Minimum Illumination @ 50IRE	0.04 lux (Color) 0.002 lux (B/W) @ F1.6
White Balance	Auto / Manual / ATW / One Push
Auto White Balance Range	2700K~7800K
Backlight Compensation	2500K ~10000K
Auto Gain Control	Yes
IP Rating	IP66
IK Rating	IK10
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Heater (Cold Start)	w/Heater: -40°C ~ 50°C (-40°F ~ 122°F)
Power Consumption	59.5 W (w/Heater)
Input Voltage	802.3at PoE+ (30W)/ 12vDC 2.12A / 24vAC ± 10%
PoE Class	4
Analog Output	1.0 Vp-p / 75 Ω, BNC
Alarm In / Out	Input: 4 Sets / 5V 10kΩ pull up Output: 2 Set / Relay output, max. 2A DC 30V / 0.5A AC 125V
microSD Card Slot	SD/SDHC/SDXC 128GB support
Camera Weight	6.39 lb (2.9 kg)
Dimensions	Ø 210 x 279 mm (Ø 8.2 x 11.1 in.) w/ Sunshield
Housing / Dome Cover	Plastic and Metal Housing
Tilt / Rotation	Tilt: -10~-190° / Pan: 360° Endless

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ACCESSORIES



DOCUMENTATION

For the manual, specifications, quick start guide, and accessory tree please see the OE-C8213 product page at the links below:

Product Page

<https://www.openeye.net/products/cameras/oe-c8213>

User Manual

<https://www.openeye.net/documents/oe-c8213-user-manual>

Spec Sheet

<https://www.openeye.net/documents/oe-c8213-spec-sheet>

Quick Start Guide

<https://www.openeye.net/documents/oe-c8213-quick-start-guide>

C8103/C8203 EOL

<https://www.openeye.net/documents/oe-c8203oe-c8103-discontinuation-notice>