



# TRITON

## Night Vision Tri-Camera System



### PRODUCT OPERATION FEATURES:

- Triple camera configuration - featuring simultaneously viewable independent Infra-Red Thermal & Ultra Low-Lux Imaging Sensors and a High Resolution Color Camera capable of more than 300x Zoom.
- The Thermal Imager allows for safe operation in total darkness.
- The 10x Zoom Low Light .00015/Lux camera amplifies even barely discernable light to render a crisp detailed picture in adverse navigational conditions.
- Ideal Surveillance platform for any time of day
- On screen heading indicator
- 360° Continuous Pan capability
- Optional IP capability
- 18 Month Warranty

### PRODUCT CONSTRUCTION

- Sealed & heated camera enclosure will withstand the harshest of marine environments
- Machined from marine grade solid billet aluminum
- Saltwater & corrosion resistant construction with rugged triple-primed and sealed, powder coated marine grade aluminum housing.
- Unique quick release base facilitates easy service or system sharing between vessels

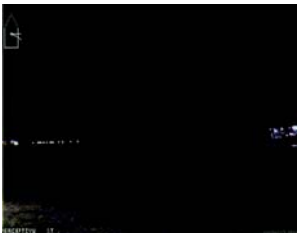
Outdoor Waterproof Controller



The Triton Camera System is ideal for private vessels such as Mega Yachts, Expedition Yachts, & Sportfishing Yachts as well as commercial vessels.

### The OceanView difference!

See what OceanView's three different cameras see in moonless night time.



Color Camera



Ultra Low Light Camera



Thermal Camera



### OceanView Technologies, Inc.

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**Triton Imager as displayed on optional VEI Monitor**

### Thermal Imager

Resolution:	320x240
Detector type:	Uncooled Microbolometer
Spectral response:	7 to 14 $\mu\text{m}$
Field of View:	36°
Video Output:	NTSC (PAL optional)
Image control:	Polarity (white/black Hot)
Frame Rate:	30Hz USA 9Hz International
Human Detection Range:	750' @ 36° FOV (standard)

### Ultra Low Light Imager

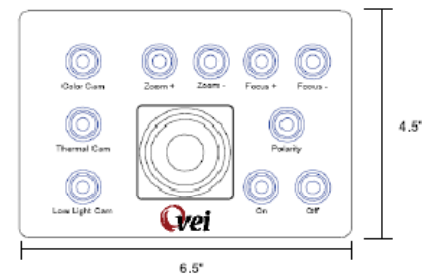
Resolution:	570 Lines
Picture Element:	437k pixels
Scanning System:	2:1 Interlaced
Minimum Scene Illumination:	0.00015 Lux
Lens (Focal Length):	10x Optical Zoom
Field of View:	30° – 3°

### Daylight Color Imager

Resolution:	NTSC: 470 Lines PAL: 460 Lines
Picture Element:	NTSC: 630K Pixels PAL: 740K Pixels
Lens:	26x Optical Zoom 12x Digital Zoom 312x Total Zoom
Field of View (horizontal):	42° to 1.6°
Minimum Scene Illumination:	2.0 Lux
Recommended Illumination:	100 to 100k Lux
Signal to Noise Ratio:	50db
Image Stabilizer:	10Hz Frequency

### Physical Specifications

Camera Size:	see below
Camera Weight:	52lbs
Color:	Awlgrip Matterhorn White
Voltage:	24VDC
Power Consumption:	16 amps peak/6 amps cont
Operating Temperature:	-12° to 50° C to IP66 spec
Environmental enclosure:	IP68 spec
Pan Range:	360°
Pan Speed:	.0005° to 50°/sec
Tilt Range:	71° up & 75° down
Tilt Speed:	.0005°-25°/sec
Swept Volume:	22.5" diameter x17.88" tall
IP Control:	Optional
Max Length Control cable:	4000' of cat5
Max Length Video cable:	4000' of cat5
Control Stations:	maximum of 32



**Waterproof Controller**



**Dimensions in Inches**