

CE-X-36

COLOR ZOOM CAMERA



High quality video characterized by exceptional resolution and sensitivity

Remote & optical zoom with an additional 12x digital zoom (432x optical zoom)

Use independently or as a part of a complete inspection system with positioning and lighting capacity

High-quality, color, zoom video camera designed for harsh environment viewing and easy decontamination.

The versatile CE-X features remote zoom control, automatic or manual focus control, and automatic or manual iris control. Whether zooming in for a closer look or zooming out to see the big picture, there is no need to stop and adjust the focus.

At 140 mm in length from port to connector, and 75.2 mm in diameter, the CE-X's superior capabilities are remarkable for its compact size. It is ideal for use in confined areas. The hard-anodized aluminum or stainless steel housing is corrosion resistant and completely sealed for use underwater or in harsh or radioactive environments. Smooth surfaces also allow for easy decontamination.

Some additional features of the CE-X-36 include a minimum sensitivity of 1.4 lux (50 IRE), High Performance Digital Signal Processor (DSP) and Electronic-Flip (E:P).

The CE-X is available in a variety of housing materials and video formats; it is most commonly used with a positioning and lighting system for remote inspection in spaces with limited access or maneuverability.

ROS has been manufacturing an array of harsh environment cameras, lights, positioners, and specialized systems designed for oceanographic, nuclear, industrial, and military applications for over 30 years.



CE-X-36 - Color Zoom Camera

ELECTRICAL

Horizontal Resolution:	470 TV Lines - NTSC	460 TV Lines - PAL
Scene Illumination:	1/60's mode: 1.4 lux - typical	
Scene Illumination:	1/4's mode: 0.1 lux - typical	
Sensor Type:	1/4 type EXviewHAD CCD	
Signal to Noise:	> 50 dB	
Power Input:	11-30 VDC, 350 mA (max)	
Scanning:	525 line / 60 Hz - NTSC	625 line / 50 Hz - PAL
Video Output:	Composite, 1.0V peak to peak into 75 ohm Y/C (S-Video) available	
Recommended Controller:	ROS IC-15A controller	
Control Options:	Bipolar +/- 12 VDC input (standard) Differential 12 VDC input (available) Unipolar 12 VDC input (available) RS-485 input (available)	
Long Line Compensation:	Externally adjustable by toggling control levels or via RS-485 communication	
Electro-Magnetic Compatibility:	EN50081-1 Emission / EN50082-1 Immunity	

OPTICAL

Optical Zoom:	36:1 (3.4 mm to 122.4 mm focal length)
Digital Zoom:	12x (432x with optical zoom)
Iris Control:	Automatic or manual
Focus Control:	Automatic or manual, 32 cm to infinity (wide angle) 1.5 m to infinity (full telezoom)
Field of View in Air (Wide)	Horizontal: 57.8° (Wide end), 1.7° (Tele end)
Field of View in Water (Wide)	Vertical: 31.3° (Wide end), 0.8° (Tele end)

MECHANICAL

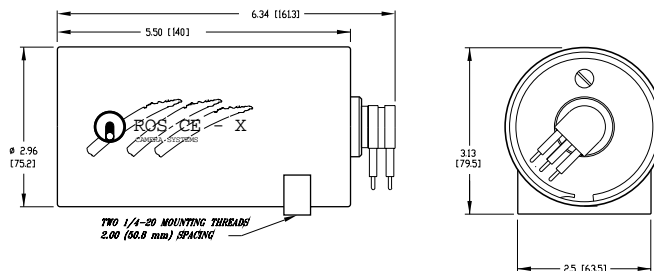
Housing Material:	Anodized 6061-T6 Aluminum	Electropolished 316 Stainless Steel
Length (w/o connector):	140 mm (5.50 in)	140 mm (5.50 in)
Diameter:	75.2 mm (2.96 in)	75.2 mm (2.96 in)
Weight in Air (Wide):	0.7 kg (1.55 lbs)	0.8 kg (1.8 lbs)
Weight in Water (Wide):	0.7 kg (1.15 lbs)	0.8 kg (1.8 lbs)
Viewing Port:	Optical grade acrylic	
Standard Connectors:	LPMBH-6-MP, LPMBH-8-MP, AG-306 (other options available)	
Mounts:	Two 1/4-20 tapped holes on 2.0 inch mounting centers	

ENVIRONMENTAL

Operating Depth:	70 m (230 ft)
Operating Temperature:	0°C to +50°C (32°F to 122°F)
Storage Temperature:	-20°C to +60°C (-4°F to 140°F) in air
Radiation Tolerance:	200 rad / hour (max dose rate) 2 x 10 ⁴ rad (max accumulated dose)

ROS STANDARD PIN-OUT

- 1 = Common
- 2 = Video
- 3 = Power
- 4 = Focus
- 5 = Zoom
- 6 = Exposure



5618 Copley Drive
San Diego, CA 92111 USA
Tel (858) 565-8500
Fax (858) 565-8808
East Coast Office (804) 754-3936

www.rosys.com
sales@rosys.com

Specifications subject to change without notice