

Key Features

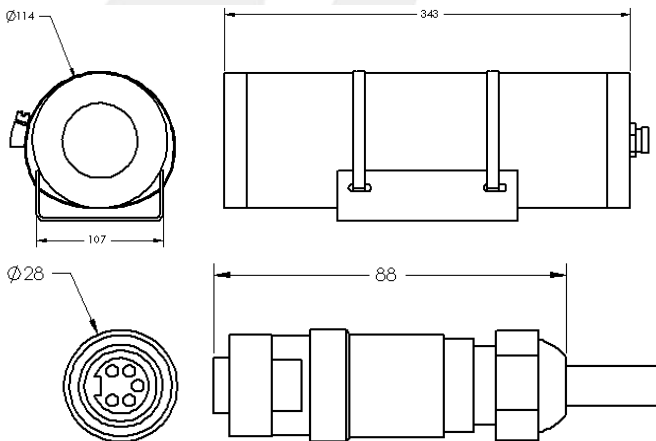
- Tough, durable PVC Pipe with 12" length to capture video from underwater environments at depths of up to 100 ft.
- Resistant at room temperature to caustic soda, hydrofluoric acid at 73°C, sulfuric acid at 100°C, bleach, borax and acetic acid at 140°C, and many other acids, alkalis and salt solutions
- Replaceable acrylic optical view window cap
- O-rings on each end for a submersible watertight seal
- Precision ball-bearing slide allows full extension of camera chassis
- Stainless steel U-channel base fits standard mounting hardware
- Cable entry via rear detachable IP68 connector
- Compatible with mounting brackets from EXMB Series
- Mounting holes for weights addition to combat buoyancy

Product Description

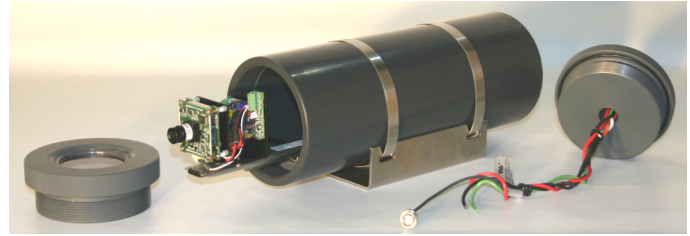
The EX15 utilizes a poly-vinyl chloride (PVC) Thermoplastic to achieve resistance to corrosion and chemical attack in salt water and other submersible environments. The EX15 is the first application of PVC for CCTV surveillance use.

O-Rings on each end ensures a submersible watertight seal. A precision ball-bearing slide fully extends the camera chassis out for easy installation and access to the CCTV electronics.

Technical Drawings



Product Image



The EX15's tough PVC housing enables submersion to depths of up to 100 feet. Cable entry via a rear detachable IP68 connector ensures water resistance at depth. (Submersible models)



Applications

- Underwater Environments
- Chemical Process Plants
- Food / Beverage Production Plants
- Mineral Process Plants
- Water / Waste Treatment Plants
- Non-Hazardous Corrosive Environments

A&E

- Available on request: Sales@ExtremeCCTV.com

NOTES:

1. Cable not included. Five-conductor cable must be 5.0mm - 12.0mm in diameter and must be suitable for the intended environment. Recommended cable: Belden 1164B RGB
2. Included connector will accept #24 AWG - #15 AWG wire gauge.
3. The EX15 is not rated for explosive hazard environments.
4. Careful consideration must be given to chemical type, chemical concentration, temperature and pressure before selecting an effective housing material. Polar solvents such as ketones and some chlorinated hydrocarbons and aromatics attack PVC. It is the responsibility of the customer to select or specify the proper materials for each specific environment.
5. Extreme CCTV can design and manufacture camera housings to suit specific chemical environments on request.

Specifications are subject to change without notice

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EX15_v14.doc 040602

Dealer/Distributor



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Fax: + 44 (0) 1670 730 188

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Specifications

(Other Special Order Models available on request)

EX15 Thermoplastic Series

Model Number	EX15
Housing Material	PVC – 4" diameter Schedule 80
Housing Thickness	0.34" (8.6 mm)
Window Material	Acrylic
Base Bracket Material	Stainless Steel, Type 316
Nominal Weight (w/o camera/lens)	6.8 lbs (3.1 kg)
Overall Length	13.5" (343 mm)
Overall Height (with SS U-Bracket)	5.0" (126 mm)
Cable Entries	One (1) via 5 pin connector
Camera Access	Full Extension Ball-Bearing Slide
Max. Camera/Lens Length	7.1" (180 mm)
Max. Internal Dimension	Φ3.8" (Φ97mm)
Temperature Range	-50°C to 60°C -58°F to 140°F
Maximum Depth (Submersible Models)	100 ft Underwater (55 psi)

Note: All temperatures below -50°C require special cold-crack cabling.

Chemical Resistance Chart

(Partial Listing)

Chemical	Concentration	Temp
Acetic Acid	25%	140°C
Ammonia Gas	100%	140°C
Ammonium Chloride	Saturated	140°C
Bleach	12%	140°C
Borax	Saturated	140°C
Bromine	Vapor	140°C
Caustic Potash	50%	140°C
Caustic Soda	40%	100°C
Chloric Acid	20%	140°C
Chromic Acid	40%	140°C
Citric Acid	Saturated	140°C
Hydrofluoric Acid	50%	73°C
Hydrogen Peroxide	90%	140°C
Lead Acetate	Saturated	140°C
Phosphoric Acid	85%	140°C
Sulfuric Acid	80%	140°C

Recommended Accessories

Mounting Brackets:

EXMB.003	Mounting Bracket, Pan/Tilt Adjust - Wall
EXMB.004	Mounting Bracket, Pan/Tilt Adjust - Ceiling

Cabling:

Belden	1164B RGB (not included)
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Part Numbers

(Custom Models Available on Request)

	Standard Model	Submersible Model
Housing Only	EX15.100 • Thermoplastic PVC Housing • PGC standard cable connector	EX15.200 • Thermoplastic PVC Housing • SDC (Submersible DIN connector) plug
Mono	EX15.1.SX4•VA408 • Thermoplastic PVC Housing • PGC standard cable connector • Mono 1/3" LXR CCD 420 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm	EX15.2.SX4•VA408 • Thermoplastic PVC Housing • SDC (Submersible DIN Connector) plug • Mono 1/3" LXR CCD 420 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm
Color Hi-Res	EX15.1.C7•VA408 • Thermoplastic PVC Housing • PGC standard cable connector • Color 1/3" CCD 480 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm	EX15.2.C7•VA408 • Thermoplastic PVC Housing • SDC (Submersible DIN Connector) plug • Color 1/3" CCD 480 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm
Color High-Res LXR Chip	EX15.1.CX7•VA408 • Thermoplastic PVC Housing • PGC standard cable connector • Color 1/3" LXR CCD 480 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm	EX15.2.CX7•VA408 • Thermoplastic PVC Housing • SDC (Submersible DIN Connector) plug • Color 1/3" LXR CCD 480 TVL • Micro•varifocal, auto iris lens 4.0•8.0mm

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