

MV-200 INDUSTRIAL MACHINE VISION CAMERA

Overview

The MV-200 is a subsea-rated industrial machine-vision camera designed for autonomous and integrated underwater systems. It houses an industrial vision module inside a pressure-rated acetal cylindrical enclosure with a flat acrylic viewport. Power and data are provided via a single 8-pin PoE bulkhead connector, and the camera integrates with Basler software or our JADE Basler plugin for full control of imaging parameters.



Features

- Subsea-rated acetal pressure housing with flat acrylic viewport (enhanced depth of field)
- Supports Basler industrial camera modules (mono or color; module-dependent)
- Supplied with 8.5 mm fixed-focus C-mount lens; compatible with interchangeable C-mount optics
- Power-over-Ethernet (PoE) via 8-pin bulkhead connector for simplified integration
- Full software control through JADE: frame rate, exposure, gain, and user presets
- Deterministic imaging suitable for autonomous, triggered, and time-series deployments
- Modular internal design allows different camera models to be used within the same enclosure

Interfaces

1 connector: POE MCBH8M-CAT

or 2 connectors: Ethernet via MCBH8M-CAT and Power via MCBH2M

Mechanical:

- Depth Rating: 200 meters
- Acetal, Acrylic viewport, 316 Stainless Steel End-cap
- Weight: 2.0 Lbs (in air), 0.6 Lbs (in water)
- Dimensions: 8.0" length x 3.38" outer diameter
- End-cap O-rings: No.134 & No.136

Options:

- Biofouling coating on acrylic viewport
- Sapphire Viewport
- Metallic enclosure for deeper depth rating
- Mounting Bracket

Compatibility:

- Basler GigE Ace or Ace2 modules

Electrical:

- Typically 12V | 3Watts

