



MIRION
TECHNOLOGIES

RADIATION TOLERANT CAMERA

Mini PTZ Mk2

**Integrated High Resolution Color CCD
Inspection Camera Systems with
High Intensity Lighting and
Multi-Function Controllers
(Integrated Recorder option available)**

The Mini PTZ Mk2 provides a complete inspection system including a sealed, underwater capable, high performance, pan/tilt/zoom color CCD camera.



FEATURES

- ✓ Compact housing allows deployment through openings as small as 65 mm diameter (2.56 in.)
- ✓ Outstanding viewing performance achieved by using a high performance CCD module with 10:1 optical and 4:1 digital variable speed zoom
- ✓ Continuous pan and +/- 120° tilt, each with variable speed which can automatically reduce as the camera is zoomed in
- ✓ High-intensity white LED lighting with independently controllable 'spot' and 'flood' lights
- ✓ Position feedback system to provide for preset positioning and adjustable end stops
- ✓ Slip clutch for fail-safe retrieval
- ✓ Optional high power tracking light for underwater use
- ✓ Rack mounted controller with remote control capability or optional folding case, portable controller with integrated flat screen monitor
- ✓ Available with integrated video recorder
- ✓ Connection to Dotcam

SPECIFICATIONS AND PERFORMANCE

CAMERA

- Image Sensor: 1/4 in. EX-view HAD CCDTM
- Temperature Rating (camera module): 0 - 50 °C (32 - 122 °F)
- Resolution:
 - NTSC 470 TV lines
 - PAL 460 TV lines
- Zoom: 10:1 optical (4.2 mm - 42 mm) 4:1 digital
- Focus: Manual or auto
- Angle of View (H): 46° (Wide) to 5° (Tele)
- Minimum Object Distance in Air:
 - 10 mm (0.4 in.) wide angle
 - 1000 mm (39 in.) narrow angle
- Minimum Object Distance in Water:
 - 13 mm (0.5 in.) wide angle
 - 1330 mm (52 in.) narrow angle
- Iris Control: Manual or Auto
- Overall Dimensions:
 - Diameter: 63.5 mm (2.5 in.)
 - Length: 345 mm (13.6 in.)
- Construction: Stainless steel housing
- Weight: 2.4 kg (5.3 lb)
- Depth Rating: 60 m (197 ft)
- Radiation Tolerance:
 - 100 Gy [⁶⁰Co] (H₂O)
 - 10⁴ rad [⁶⁰Co] (H₂O)
- Operating Dose Rate: 100 Gy/h (10⁴ rad/h)
- Range - Pan: Continuous
- Range - Tilt: +/-120°

LIGHTING

- LEDs x 4 (Spot): Beam Angle 12°. Up to 550 lx at 1 m
- LEDs x 4 (Flood): Beam Angle 30°. Up to 200 lx at 1 m

External lamps (tracking) available.

CAMERA CONTROL UNIT SPECIFICATIONS

Available as 19 in. Rack or Portable Pelicase Version.

19 IN. RACK MOUNT UNIT FOR FIXED INSTALLATIONS

- Dimensions: 88 x 483 x 353 mm (H x W x D) (3.5 x 19.1 x 14 in.)
- Weight: 5 kg (11 lb)

ROBUST PORTABLE SELF CONTAINED UNIT WITH INTEGRATED FLAT SCREEN MONITOR & VIDEO RECORDER

- Dimensions (case closed): 330 x 406 x 174.5 mm (H x W x D) (13 x 16 x 16.9 in.)
- Dimensions (case open): 330 x 406 x 443 mm (H x W x D) (13 x 16 x 17.4 in.)
- Weight: 9.8 kg (21.6 lb)

CAMERA CONTROL: FEATURES/BENEFITS

- Video Outputs:
 - S-Video*
 - Composite

*19 in. rack mount unit only



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