

# Innovative Industrial Solutions



I.I.S.

## Mini PTZ MK 2

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

- Compact housing allows deployment through openings as small as 65 mm diameter (2.56")
- 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 Detcam



Pelican case with Portable Control Unit



Rack mounted control unit option

Innovative Industrial Solutions, Inc.

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## Mini PTZ MK 2

Camera	
Image Sensor	1/4" EX-view HAD CCD™
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") wide angle 1000 mm (39") narrow angle
Minimum Object Distance in Water	13 mm (0.5") wide angle 1330 mm (52") narrow angle
Iris Control	Manual or Auto
Overall Dimensions	Diameter: 63.5 mm (2.5") Length: 345 mm (13.6")
Construction	Stainless steel housing
Weight	2.4 kg (5.3 lbs)
Depth Rating	60 m (197')
Radiation Tolerance	100 Gy [ <sup>60</sup> Co] (H <sub>2</sub> O) 10 <sup>4</sup> rad [ <sup>60</sup> Co] (H <sub>2</sub> O)
Operating Dose Rate	100 Gy/h (10 <sup>4</sup> 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" Rack or Portable Pelicase Version.

19" Rack Mount Unit for Fixed Installations	
Dimensions	483 mm W x 88 mm H x 353 mm D (19.1" W x 3.5" H x 14" D)
Weight	5 kg (11 lbs)

Robust Portable Self Contained Unit with Integrated Flat Screen Monitor & Video Recorder	
Dimensions (case closed)	406 mm W x 330 mm H x 174.5 mm D (16" W x 13" H x 16.9" D)
Dimensions (case open)	406 mm W x 330 mm H x 443 mm D (16" W x 13" H x 17.4" D)
Weight	8.5 kg (18.7 lbs)

Camera Control: Features/Benefits	
Video Outputs	S-Video*
	Composite

\* 19" rack mount unit only

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