

# IRIS<sup>®</sup>



## IM-PTZ-16 Low-Light PTZ Camera

Representing the very pinnacle in compact marine vision systems, the new IM-PTZ-16 Low Light PTZ from marine security leaders Iris Innovations packs and incredibly powerful, high resolution Sony camera module into a compact, stylish waterproof housing designed especially for the marine environment.

The IM-PTZ-16 features a massive 28x optical zoom, complemented with an additional 12x digital zoom to provide a full zoom capability of 304x. As well as it's amazing zoom performance, the IM-PTZ-16 features the latest in ultra-sensitive image processors that use the minutest traces of light to see in extremely low light conditions.

Because of it's compact, lightweight housing, the powerful pan and tilt motors that drive the camera provide an incredible top-speed of 270° per second panning and 130° per second tilt speed.

New features for 2012 include dynamic positional indicator icon, enhanced continuous zoom, extended power input range (8 ~ 30VDC) and horizontal image flip capability for rear view optimisation.

Whether navigating inland waterways or near coastal waters, the IM-PTZ-16 enhances situational awareness and extends visibility to make your journey safer.

Video compatible with all major chart plotters with composite video inputs. Control via IM-KBD-16 joystick controller, compatible chart-plotter interface or the new IM-TED-65 dedicated touch screen controller from Iris Innovations.

The IM-PTZ-16 is supplied as standard in an all white gloss finish. Colour coded inner dome sections are available as an optional extra. Contact your Iris dealer for information.

### Key Features:

Incredible 304x Zoom (28x Optical, 12xDigital).

True Mechanical Day / Night Filter switches the video output from colour to monochrome in low light conditions for improved clarity.

High Speed Pan and Tilt Motors.

Dynamic Positional Indicator.

100 User Presets / Multiple Tour and Scan Modes.

Provides Visibility in Next to No Light.

Wide Voltage Range (8~30VDC)

IP66 Waterproof Rating

View Video on any Chartplotter with Composite Video Inputs.

360° Continuous Pan / 115° Tilt with Auto-Flip (230° Tilt arc).

Ball up or Ball down mounting options.

marine camera systems

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## Compatibility & Control Options

**Video** - All major chart plotters with composite video inputs, TV's with AV inputs & Dedicated video monitors.  
**Data** - RS485 Serial Physical Protocol, Pelco D Data Layer. Compatible with Pelco-D CCTV controllers, Iris Innovations IM-TED-65 touch screen controller, IM-KBD-16 Joystick Controller and controllers supporting Pelco D. Basic Pan, Tilt, Zoom features only with IM-KBD-16 joystick controller.

## Actual Screenshots



## Specification Table

	IM-PTZ-16P	IM-PTZ-16N
Video System	PAL	NTSC
Image Sensor	1/4" SONY Super HAD CCD II	
Resolution	752H x 582V	768H x 494V
TV Lines	550 TVL	
Total Effective Pixels	Approx 440K	Approx 380K
Lens	f=3.5mm(wide) to 98mm(tele)	
Optical Zoom	28 x Optical	
Digital Zoom	12 x Digital	
Horizontal Field of View	55.8° (wide) to 2.1° (tele)	
Video Output	1.0 Vp-p Composite Video 75Ω	
Image Flip	Vertical / Horizontal	
Positional Indicator	Yes	
Communications Protocol	RS485 Half Duplex - Pelco D (Iris Command Mapping)*	
Dimensions	160mm x 130mmØ	
Power	8 ~ 30 VDC. <1000mA @ 12VDC	
Weight	1.2 kg	
Environmental	IP66	
Pan Range	360° Continuous Rotation	
Pan Speed	0.05~70°/sec Normal / 0.05~240°sec Max Speed	
Tilt Range	-15° ~ 90° / Auto-flip / 90 ~ -15° (Total 210° Tilt Range)	
Tilt Speed	0.03~38°/sec Normal / 0.03~140°/sec max Speed	
User Presets	100 User Presets + 79 Presets reserved for Scan & Tours	
Tours	4 User Definable Tours of 10 presets each	
Scans	Narrow Scan, Wide Scan, Random Scan, Autoscan	

\*Certain extended features not available through generic Pelco D control devices or IM-KBD-16 Joystick Controller. For Iris Protocol details contact Iris Innovations.

## IM-BRK-16 Swing Arm Mounting Bracket (Optional)



# IRIS<sup>®</sup>

**Iris Innovations Limited**

Unit 8&9 Swanwick Business Centre,

Bridge Road, Swanwick,

Hampshire SO31 7GB United Kingdom

Tel: +44(0)1489 570797. Fax: +44(0)1489 875990

[www.boat-cameras.com](http://www.boat-cameras.com) / [info@boat-cameras.com](mailto:info@boat-cameras.com)