

# PIH7012/24/30/17 SERIES

## SUPER EYE LOW LIGHT COLOUR CAMERA

The **SuperEye** camera is an incredibly sensitive colour camera using Ex-View technology from Sony to provide truly remarkable low light performance. Sensitivity is increased way above standard colour cameras even into the extended infra red range, allowing the use of covert IR lighting.

The Digital Signal Processing circuitry enhances picture quality and provides additional benefits such as Dynamic Edge Enhancement and Back Light Compensation.

For internal applications the electronic shutter automatically adjusts the picture level when using manual or no iris lenses, ensuring stable video images in variable lighting conditions. When used externally both Direct Drive and Video Drive auto iris lenses can be used and are connected via the 4-pin connector, selection is made simply via a dip-switch on the rear panel.

The camera body is manufactured in sturdy cast aluminium and steel and is finished in 2-tone grey powder coat. With a 1/4" UNC mount that can be positioned on the top or the bottom of the camera and also incorporates a cable tidy for the auto iris lens lead. Every camera is supplied with a 5mm C/CS lens mount adapter, a male 4 pin plug for the lens connection and a key for the back focus adjustment.

As standard these cameras are not fitted with an IR cut filter. They can be supplied with the IR cut filter as an option and this will limit the spectral response to 750nm, preventing the use of infrared illumination.

- 0.01 LUX SENSITIVITY
- DIGITAL SIGNAL PROCESSING
- 330 TV LINES RESOLUTION
- IR SENSITIVITY
- DC & VIDEO LENS DRIVE

TV System	PAL			NTSC		
	Model Number	PIH-7012	PIH-7024	PIH-7030	PIH-7012	PIH-7024
Voltage	12Vdc	24Vac	90-260Vac	12Vdc	24Vac	90-260Vac
Power Consumption	4W	4.2W	4.5W	3W	3.3W	3.6W
Sensor Device	1/3" ExView HAD CCD			1/3" ExView HAD CCD		
Effective Pixels H	500			510		
Effective Pixels V	582			492		
Resolution	330 TV Lines			330 TV Lines		
Sensitivity	0.01 Lux F1.2			0.01 Lux F1.2		
Spectral Response	380 -1200nm			380 - 1200nm		
Aperture Correction	Horizontal & Vertical			Horizontal & Vertical		
Signal/Noise Ratio	50dB (AGC off)			50dB (AGC off)		
Auto Gain Control	36dB Variable			36dB Variable		
Horizontal & Vertical Sync	15.625KHz 50Hz			15.734KHz 60Hz		
Synchronisation	Internal			Internal, Line-Lock	Internal, Line-Lock	
Shutter	1/50th - 1/100,000th			1/60th - 1/100,000th		
Video Output	CVBS 1.0Vp-p 75Ω			CVBS 1.0Vp-p 75Ω		
Lens Mount	C or CS			C or CS		
Auto Iris Drive	Direct Drive (DC) or Video Drive			Direct Drive (DC) or Video Drive		
Operating Temperature	-10° C - +50° C			-10° C - +50° C		
Dimensions	70mm W x 58mm H x 114mm D			70mm W x 58mm H x 114mm D		
Weight	600g			600g		

