



PSI-460RII

The PSI-460R has been used by many customers for a variety of applications: Airborne Monitoring both internally and externally. Mechanical Process Monitoring etc. The time has come for the camera to be updated and improved. With a new SMALLER design the footprint has been reduced the internal sensor and electronics have been updated to the latest design.

The PSI-460RII is an ultra-compact, integrated 1/2 type IT CCD colour camera ideally suited for a wide variety of applications such as machine vision, multimedia and remote monitoring. The PSI-460RII is designed so that a video output signal can be obtained by only providing a power supply of 12 V DC. Its ultra-compact, one-piece design eliminates the need for a bulky CCU (Camera Control Unit), allowing the PSI-460RII camera to be easily installed in space-restricted areas. In addition, the PSI-460RII camera uses a unique, compact special mount lens system that can be converted into a flexible C mount lens.



Features

- 12/28v dc operation
- 2000 Lux sensitivity
- 1/2 Inch type IT CCD
- Single camera unit, no Controller required
- CCD IRIS function
- VBS & YC Outputs
- External Synchronisation
- RS-232 control
- Ultra Compact and lightweight
- 3 Lux minimum illumination
- 4 speed shutter control
- Rugged high-G configuration
- Automatic and Manual White Balance



Photo-Sonics International Ltd.

5, Thame Park Business Centre, Wenman Road, Thame, Oxon. England
Tel +44 (0) 1844 260600 Fax +44 (0) 1844 260126 e-mail sales@photo-sonics.co.uk

Version 04 09/06

PSI-460RII Specifications

	NTSC	PAL
Image device	½ inch type IT CCD	
Colour filter	Complementary colour mosaic	
Effective picture elements	768 (H) x 494 (V)	752 (H) x 582 (V)
Lens mount	Special or "C" Mount	
Sync system	Internal/External (automatic switching)	
External sync signal	HD/VD (2 to 4 Vp-p), 75 W VS (1 Vp-p), 75 W CSYNC (2 to 4 Vp-p), 75 W	
External sync frequency tolerance	VD/59.94 Hz ± 0.0009 Hz HD/15734 Hz ± 0.22 Hz	VD/50 Hz ± 0.0005 Hz HD/15625 Hz ± 0.22 Hz
Video output	VBS, Y/C (selected with the switch) VBS: 1 Vp-p, 75 W, sync negative Y: 1 Vp-p, 75 W C: C level depends on the composite video out signal	
Horizontal resolution	470 TV lines	460 TV lines
Minimum illumination	3 lux (F1.2, AGC ON)	
Sensitivity	2000 lux, F8, AGC OFF (0 dB)	
S/N ratio	48 dB (AGC OFF (0 dB))	46 dB (AGC OFF (0 dB))
Shutter speed	4 speeds selectable — OFF, Flicker less, 1/1000 s, CCD iris	
CCD IRIS	Auto: 1/60 to 1/4000 s RS-232C: 1/60 to 100000 s *1	Auto: 1/50 to 1/4000 s RS-232C: 1/50 to 100000 s *1
NOTE *1. Max speed is not specified beyond 1/4000 seconds.		
White balance	4 modes selectable — ATW, 3200 K, 5600 K, MANUAL	
Gamma	ON/OFF — *Controlled by RS-232C *1	
Gain control	2 modes selectable — AGC, Fixed (0 dB)	
Output connector	DC IN, SYNC, VIDEO: multi 12-pin	
Power requirements	12V DC or 28V DC	
Power consumption	2.4 W	
Operating temperature	0 to 40°C (32 to 104 °F)	
Storage temperature	-30 to 60°C (-22 to 140 °F)	
Operation humidity	20 to 80% (no condensation)	
Storage humidity	20 to 80% (no condensation)	
Altitude	43,000 Feet (by analogy)	
EMC Radiated	SPE-J-000-E-1000 50KHz to 1GHz	
Over Pressure	-15,000 Feet (by analogy)	
Shock resistance	70 G	
Dimensions	78.15 x 54.5 x 39 mm (3.07 x 2.14 x 1.53 inches) LWH	
Mass	250 g (8.8 oz) including lens	
Regulation	UL 6500 listed, FCC Class B Digital Device, CE EN61326, AS4251.1+AS4252.1	
Supplied accessories	Lens Adaptor, Connecting cables, User Manual	
<i>Specifications subject to change without notice. E&OE</i>		



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