

HSP1250 Series – Introduction



Applications

The HSP1250 is particularly suited for all applications where a compact and portable yet robust camera is essential:

- Automotive safety testing
- Industrial Applications with Hi-G shocks

Why the HSP1250?

- Perfectly balanced performance – 1,250 fps @ 800 x 600 provides you with excellent image quality and a frame rate suitable for a wide range of test applications
- Robust design in milled aluminum
- Simple to use IP camera with POE
- Easy access Web Server for configuration



JAC Electronics, LLC



Due to continuous research and product enhancements, JAC Electronics reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.

For questions or inquiries:
sales@jacelectronics.com
To place an order: orders@jacelectronics.com
www.jacelectronics.com

Technical Specifications

Technical key specifications	
Image Sensor	Progressive CMOS, 1280 x 1024 pixels, mono or color
Sensor size (@ full resolution)	17.82 x 14.33 mm, 14 µm pixel size
Light sensitivity	ISO 3200 (monochrome), ISO 1600 (color)
Dynamic range	5, 8 or 10 bit, adjustable by user
Gain control	User selectable, High Dynamic Range (HDR) mode
Frame rate at full resolution	500 fps @ 1280 x 1024 pixels
Typical fps/resolution settings	1280 x 1024 @ up to 500fps 900 x 700 @ up to 1'000fps 800 x 600 @ up to 1'250fps
Shutter type	Global electronic shutter
Shutter exposure times	4 µsec to 1/frame rate
Image memory	Built-in DRAM, circular buffer
Sequence length	2.2 sec @ 800 x 600 / 1250fps (1.3 GB memory) 4.4 sec @ 800 x 600 / 1250fps (2.6 GB memory) 8.8 sec @ 800 x 600 / 1250fps (5.2 GB memory) 17.6 sec @ 800 x 600 / 1250fps (10.4 GB memory)
Data Interface	Gigabit Ethernet (1 Gb/s) with RJ45 connector
Memory Interface	Built-in SD card interface
Power supply	12 VDC (9 to 16VDC) or POE in RJ45
Power consumption	18 W
Operating temperature	0 to +45 °C
Shock resistance	100G for 15msec, 3 axis, up to 200G during short peaks
Size, weight (standard model)	71 x 71 x 122 mm, 1100 gr
CE	In compliance with relevant standards