

High Resolution, Compact High-Speed Camera



When High Performance and Streamlined Form Factor Matter

The i-SPEED 230 is a lightweight, compact high-speed camera suited for a wide range of applications such as automotive crash testing, material strain testing, and scientific research.

The newest addition to the i-SPEED 2 Series from iX Cameras, the 230 offers a small form factor and lightweight body for easy integration into assembly lines and lab testing areas.

Optional Hi-G shock rating ensures excellent performance even when deployed on an automotive impact sled or production line machinery.

FEATURES

- 2,500 fps at 1280 x 864 full resolution
- Certified to 100 G shock, 20 G vibration
- Maximum frame rate 225,000 frames per second
- Multiple triggering capabilities
- Outstanding image quality
- Easy to use i-SPEED 230 Control software
- GenICam compliant

IMAGER

Frame rate at full resolution	2,500 fps
Shutter	1 μ s
Spectral bandwidth	420 - 700 nm
Maximum resolution	1280 x 864
Maximum frame rate	225,000 fps
Sensor diagonal	21.15 mm
Pixel size	13.7 μ m square
Bit depth	10 bit
Light sensitivity	6,400 mono / 5,000 color

FRAME RATES, RESOLUTION and DURATION

Frame Speed	Resolution	Record Time (sec)	
		8 GB	16 GB
2,500	1280 x 864	2.48	4.96
3,000	1280 x 720	2.48	4.96
2,813	1280x 768	2.48	4.96
4,501	1280x 480	2.48	4.96
4,129	1280 x 512	2.48	4.96
9,002	1280x 240	2.48	4.96
16,879	1280 x 128	2.48	4.96

Note: Other resolutions and speeds are available.

SYNCHRONIZATION and CAPTURE

Memory	8 GB / 16 GB
Video	AVI (compressed or uncompressed)
Image sequence	BMP, JPG, PNG, TIF

PHYSICAL and ENVIRONMENTAL

Dimensions inches	2.6 (W) x 2.6 (H) x 4.7 (L)
Dimensions mm	65 (W) x 65 (H) x 120 (L)
Weight	1.1 lbs (500 g) without lens
Input voltage	10 - 30 VDC
Power consumption	17 W max
Mounting	¼-20
Lens options	C mount / FG mount
G shock	Hi-G 100 G shock, 20 G vibration
Temperature °F	41 to 122 operation
Temperature °C	5 to 50 operation

CONNECTIVITY

Network	1 Gb RJ45
Power input	5 pin female connector
Trigger	External signal / switch triggering
Input/output	16 pin female
Ethernet	1 Gb
Remote control	via supplied software

PURCHASING OPTIONS

Sensor	Color / Mono
Package type	Standard / Hi-G rated
Warranty	1 year standard parts and labor



*Specifications subject to change
Document: DS-230-1.07.20
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