

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

SPECIFICATIONS

i-SPEED.230

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

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	1/4-20
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
Memory	8 GB / 16 GB
Package type	Standard / Hi-G rated
Warranty	1 year standard parts and labor

FRAME RATES, RESOLUTION, and DURATION (in seconds)

Frame Speed	Resolution	8GB	16GB
2,500	1280x864	2.48	4.96
2,813	1280x768	2.48	4.96
3,000	1280x720	2.48	4.96
4,219	1280x512	2.48	4.96
4,501	1280x480	2.48	4.96
9,002	1280x240	2.48	4.96
16,879	1280x128	2.48	4.96

Note: Other resolutions and speeds are available.



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Specifications subject to change
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