

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 |

SYNCHRONIZATION and CAPTURE

| | |
|-----------------------|----------------------------------|
| Memory | 8 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 |
| Ethernet | 1 Gb |
| Remote control | via supplied software |

CONNECTIVITY

| | |
|---------------------|-------------------------------------|
| Network | 1 Gb RJ45 |
| Power input | 5 pin female connector |
| Trigger | External signal / switch triggering |
| Input/output | 16 pin female |

PURCHASING OPTIONS

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

FRAME RATES, RESOLUTION and DURATION

| FPS | Resolution | Record Time (sec) |
|--------|------------|-------------------|
| 2,500 | 1280 x 864 | 2.48 |
| 3,000 | 1280 x 720 | 2.48 |
| 2,813 | 1024 x 768 | 3.10 |
| 4,501 | 640 x 480 | 4.96 |
| 4,129 | 512 x 512 | 6.21 |
| 9,002 | 320 x 240 | 8.27 |
| 16,879 | 128 x 128 | 24.82 |

Note: Other resolutions and speeds are available.



info@ix-cameras.com • ix-cameras.com

United Kingdom

iX Cameras
Bradley House
Locks Hill
Rochford
Essex, SS4 1BB
T: +44 (0) 1702 540 669

United States

iX Cameras
8 Cabot Road
Suite 1800
Woburn, MA, 01801
T: 339 645 0778

China

iX Cameras
Room 1402, Unit 65,
No 399 Hangting Road,
Oriental Hong Jing Garden,
ZhuQiao Town, Shanghai,
T: +86 186 215 60553

India

iX Cameras
C-207, Twin Arcs
Legacy Life Spaces,
Punwale Bazar
Punawale, Pune-411033
Maharashtra
T: +91 955 256 5021

Specifications subject to change
Document: DS-230-11.01.19
Copyright © 2019 iX Cameras Ltd.