



Model: 4-S2

KEY FEATURES

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|--|------------------------------|
| Maximum Resolution | 1024 x 1024 |
| Maximum FPS @ Maximum Resolution | 5,100 fps |
| Maximum FPS @ Maximum Resolution (Plus Mode) | 10,100 fp |
| Image Storage @ Max Frame Rate | Up to 50,744 Frames |
| Maximum FPS | 165,000 @ 1024 x 16 |
| Minimum Exposure Time | 1µs |
| Sensitivity ASA/ISO | 6000 ISO Mono 2000 ISO Color |
| Power Requirements | minimum 12V , 2 A |
| Operating Temperature | -40+50 °C / -40+122 °F |
| Quantum Efficiency | 60% |

SENSOR

| | |
|---------------------|--------------------------|
| Sensor Type | CMOS - Proprietary |
| Sensor Size | 13.9 x 13.9 mm |
| Sensor Format | 1 inch |
| Pixel Size (micron) | 13.68x13.68 um |
| Pixel Depth | 10 bit mono 30 bit color |

INPUTS

| | |
|---------------|---|
| Trigger | TTL & Switch/Circular buffer with on-camera or software trigger |
| Sync | Phase-lock TTL |
| IRIG | Optional |
| GPS Time Code | Standard |

OUTPUTS

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|------|---------------------|
| Sync | Frame sync / Strobe |
| HDMI | 30 fps |



FEATURES

| | |
|--------------------------------|---|
| Approx. Size | 90.50x90.50x22.00 mm or 3.5x3.5x8.6 inch |
| Approx. Weight | 3.4 kg or 7.5 lbs |
| Shock/Vibration rating | Shock: 100G / Vibration: 40G - All axes |
| Battery Powered Operation Time | Operation and battery back-up up to 1 hours |
| Mount | C-Mount standard , F&PL Adaptor optional |

SOFTWARE

| | |
|-----------------------|--|
| Motion Studio | Windows 32/64 |
| Motion Inspector | Windows 32/64 - MAC OS X - Apple iOS |
| Plug-ins/SDK | SDK, LabVIEW or MatLab |
| File Formats | Proprietary RAW |
| On-the-fly Conversion | TIF,BMP,JPG,PNG,AVI,MPG, TP2,MOV, MRF, MCF |

COMMUNICATION

| | |
|-------------|---------------|
| Camera Link | N/A |
| Ethernet | 100/1000BaseT |
| USB | Standard |
| WiFi | Optional |

Specifications are subject to change without notification.

Data accurate as of 11 April 2014

Please reference our website for updates: <http://www.idtvision.com>