



IDT's CrashCam™ with integrated storage: 8GB DDR and optional solid-state non-volatile memory of up to 0.5TB. The CrashCam™ is a rugged, sealed, high G and vibration rated camera product designed for use (not exclusively) in harsh, Automotive testing environments. Latest CMOS sensor technology produces extremely low-noise images with up to 12-bit mono or 36-bit color. Support for several sensor platforms to deliver various resolutions and frame rates. Power supply and break-out cable for easy out-of-the-box operation are included.

KEY FEATURES

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| Maximum Resolution | 1440 x 1024 |
| Maximum FPS @ Maximum Resolution | 4,000 fps |
| Image Storage @ Max Frame Rate (DDR 8) | 4,440 |
| Image Storage @ Max Frame Rate (SSD 256) | 145,844 |
| Streaming FPS @ Max Resolution | 127 fps |
| Maximum FPS | 124,000 @ 1440 x 16 |
| Minimum Exposure Time | 1µs |
| Sensitivity ASA/ISO | 30000 ASA Mono 10000 ASA Color |
| Power Requirements | 18-36 VDC |
| Operating Temperature | -40+50 °C / -40+104 °F |

SENSOR

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|---------------------|--------------------------|
| Sensor Type | CMOS - Proprietary |
| Sensor Size | 11.1 x 7.8 mm |
| Sensor Format | 1.3 inch |
| Pixel Size (micron) | 7.7x7.7 µm |
| Pixel Depth | 12 bit mono 36 bit color |

INPUTS

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

OUTPUTS

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|-------|---------------------|
| Sync | Frame sync / Strobe |
| HDSDI | Standard |

FEATURES

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|--------------------------------|---|
| Approx. Size | 63 x 63 x 87 mm (W x H x L) |
| Approx. Weight | 0.69 kg or 1.52 lbs |
| Shock/Vibration Rating | Shock: 200G / Vibration: 40G - All axes |
| Battery Powered Operation Time | Optional |
| Mount | C-Mount standard , F Adaptor optional |

SOFTWARE

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|-----------------------|--|
| 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

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| Ethernet | 1000BaseT |
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