

The CrashCam mini 1510 is a rugged, sealed, high G and vibration rated camera product designed for use (not exclusively) in harsh, space limited testing environments. Thanks to the ultra-compact design, this camera is best adapted for use in on-board vehicular testing. It can also be used to instrument test dummies. Supports 1440 x 1024 @ 1,100 fps. 4 GB DDR RAM and up to 256 GB removable Micro SD provide the image storage capacity. Live video streams are enabled via the HDSDI output.



KEY FEATURES

Maximum Resolution	1440 x 1024
Maximum FPS @ Maximum Res	1,100 fps
Maximum FPS	44,200 @ 1440 x 16
Operating Temperature	-40+50°C / -40+122°F

SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	16.7 x 11.9 mm
Sensor Format	1.3 inch
Pixel Size (micron)	11.60 x 11.60 um
Pixel Depth	12 bit mono 36 bit color
Sensitivity	30000 ISO Mono, 10000 ISO Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	1.5 megapixel
Quantum Efficiency	60%

MECHANICAL

Weight	0.27 kg or 0.59 lbs
Dimensions	44 x 44 x 70 mm (W x H x L)
Shock & Vibration	Shock: 200G / Vibration: 40G - All axes
Mount	C-Mount standard

INPUT

Sync-in	Phase-lock TTL
Trigger	TTL & Switch/Circular buffer with on-camera or software trigger

OUTPUT

Sync Out	Frame sync / Strobe
HDSDI	Standard

POWER

Input Voltage	24 VDC
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COMMUNICATION

Ethernet	1000BaseT
PCie	0

SOFTWARE

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