

## SPECIFICATION SHEET

Model 1520

### **CrashCamMini™**

The CrashCam mini 1520 is a rugged, high-G and vibrationrated camera designed to withstand harsh, space-limited testing environments. With its ultra-compact design, this camera has become the industry standard for on-board vehicular testing and instrumentation of test dummies, but its versatility can be leveraged in any industry. CrashCam mini cameras offer live video streams via HDSDI output, backups through removable MicroSDs and support PTP synchronization. The Model 1520 supports 1440×1024 resolution up to 2,000 fps and comes standard with 8GB DDR RAM, USB-C interface and C-mount lens mount. Additional configuration options include manual or motorized Micro Four Thirds lens mount and an airborne feature that includes hydrophobic coating as well as support for GiGE Vision and Chapter 10 IRIG standards. Flexible connectivity options offer easy, out-of-box implementation for single or multi-camera USB-C installations, as well as compatibility with 16-pin, 18-pin and 19-pin camera environments.

- Ultra-compact form factor
- HDSDI output
- MicroSD compatible

#### **APPLICATIONS**

Automotive, Research

# KEY FEATURES Maximum Resolution

Transmittanii recooracioni	2 x 202 .
Maximum FPS @ Maximum Res	2,000 fps
Maximum FPS	62,000 @ 1440 x 16
Operating Temperature	-40+50°C / -40+122°F
FRAME PROPERTIES	
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	30,000 ISO Mono, 10,000 ISO Color
Min. Exposure Time	1μs (*Shorter Integration optional)
Array	1.5 megapixel
Quantum Efficiency	1
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)
IMAGE CAPACITY	
DDR	8GB
MicroSD	Up to 400GB (Tested)

1440 x 1024



#### TRIGGERING AND SYNCHRONIZATION

Phase-lock TTL, IEEE1588, 1PPS
Thase lock TTE, IEEE 1500, 1115
Frame sync / Strobe
TTL & Switch/Circular buffer with on-camera o software trigger
Standard
7.5-14VDC
ERFACE
1000BaseT
Color Cameras Only
Standard
Standard
Standard
Standard
s Standard
Windows 32/64
Windows 32/64 - MAC OS X - Apple iOS
SDK, LabVIEW™ or MatLab®
Proprietary RAW
TIF, BMP, JPG, PNG, AVI, MPG, TP2, MOV, MRF, MCF