



## CrashCam Mini

The CrashCam mini 4K Veloce is a rugged, high-G and vibration-rated 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 4K Veloce supports 3840x2160 resolution up to 1,000 fps and comes standard with 8GB DDR RAM, USB-C interface and C-mount lens mount. Additional configuration options include a motorized Micro Four Thirds lens mount and an airborne feature with hydrophobic coating as well as support for GiGE Vision and Chapter 10 IRIG standards.

- Ultra-compact form factor
- User-Friendly Operation
- Optional Remote Control

### APPLICATIONS

Integrative Biology, Range Tracking, Sports Biomechanics, R&D

### KEY FEATURES

Maximum Resolution	3840 x 2160
Maximum FPS @ Maximum Res	1,000 fps
Operating Temperature	-40+50°C / -40+122°F

### FRAME PROPERTIES

Sensor Type	CMOS - Proprietary
Sensor Size	16 x 8.4 mm (Active)
Sensor Format	1.3 inch
Pixel Size (micron)	3.90 x 3.90 um
Pixel Depth	10 bit mono 30 bit color
Sensitivity	6000 ISO Mono 2000 ISO Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	8.8 megapixel
Quantum Efficiency	60%

### MECHANICAL

Weight	0.20 kg or 0.45 lbs
Dimensions	58 x 47 x 44 mm (W x H x L)
Shock & Vibration	Shock: 200G / Vibration: 40G - All axes
Mount	C-Mount (Standard), Motorized MFT (Optional)

## Model CCM-4K Veloce



### COMMUNICATION INTERFACE

Ethernet	2.5 Gbps
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### SOFTWARE

Motion Studio	Windows 64
Motion Inspector	Windows 64
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