



CrashCam™

The CrashCam™ is a rugged, sealed, high G and vibration rated camera product designed for use (not exclusively) in harsh, Automotive testing environments. Thanks to the wide range of supported image resolutions and frame rates the camera is well adapted for use in both on-board and off-board testing as well as component (airbag) testing.

FEATURES

- Solid-state, non-volatile memory
- High dynamic range, low noise
- For use in extreme environmental conditions
- Optional battery backup

APPLICATIONS

Automotive Testing

Model 2020



MECHANICAL

Weight	0.69 kg or 1.52 lbs
Dimensions	63 x 63 x 87 mm (W x H x L)
Shock	200G for 20ms/ Vibration 40G all axes

OPERATING TEMPERATURE

Active cooling -40+50 °C / -40+122 °F

OPTICAL INTERFACE

C-mount standard	Optional Canon mount
Optional F-mount	Optional PL-mount

FRAME PROPERTIES

CMOS image sensor with 1.3" Optical Aperture

Sensitivity - 15000 ISO mono, 5000 ISO color

Max Resolution 1920 x 1080 pixels

Pixel size and pitch 10 x 10 µm

Pixel depth 12-bit mono/ 36-bit color

Max Rate (@max resolution) = 2,000 fps

IMAGE CAPACITY

DDR: 16GB (Standard)
32GB (Optional)

SSD: 250GB - 104,174 full resolution 10-bit images
86,789 full resolution 12-bit images

EMBEDDED LOGIC

Debayering (color cameras ONLY)

Temporal Noise Reduction (TNK)

Dynamic Noise Reduction (DNR)

User defined ROI's and LUT's

Frame to frame Auto-Exposure and Motion Trigger

IEEE1588 (Timing over Ethernet)

Mission Mode for Remote/Autonomous Operation

POWER

Input Voltage: 18-36 VDC

COMMUNICATION INTERFACE

Gigabit Ethernet (1000BaseT)

3G HD-SDI

TRIGGERING AND SYNCHRONIZATION

TTL and switch closure trigger

Circular buffer with trigger

On camera (motion) and software trigger

IEEE1588, 1 PPS, & TTL Synchronization

SOFTWARE

Motion Studio - Windows® OS

Motion Inspector - touch screen support for Windows® & Mac OS®