

IDT's CrashCam™ with integrated storage: 16GB 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

Maximum Resolution	1920 x 1080
Maximum FPS @ Maximum Res	2,000 fps
Maximum FPS	110,000 @ 1920 x 8
Streaming Frame Rate	135 fps
Operating Temperature	-40+50 °C / -40+104 °F

## SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	19.2 x 10.8 mm
Sensor Format	1.3 inch
Pixel Size (micron)	10 x 10 um
Pixel Depth	12 bit mono 36 bit color
Sensitivity	15000 ASA Mono 5000 ASA Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	2.0 megapixel
Quantum Efficiency	60%

## MECHANICAL

Weight	0.69 kg or 1.52 lbs
Dimensions	86 x 63 x 88 mm (W x H x L)
Shock & Vibration	Shock: 200G / Vibration: 40G - All axes
Mount	C-Mount standard. Manual MFT optional, F & PL Adapter optional.

## IMAGE CAPACITY

Image Storage @ Max Frame Rate (DDR 16)	6,289
Image Storage @ Max Frame Rate (DDR 32)	12,802
Image Storage @ Max Frame Rate (SSD 256)	6,314
Image Storage @ Max Frame Rate (SSD 512)	6,808
Image Storage @ Max Frame Rate (SSD 256)	96,031
Image Storage @ Max Frame Rate (SSD 512)	192,096

## INPUT

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

## OUTPUT

Sync Out	Frame sync / Strobe
HDSDI	Standard

## POWER

Input Voltage	24 VDC
Battery	Optional

## 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