

XStream Mini

Model 1540

The XStream Mini Series 1540 is a miniature, remote camera head supporting up to a maximum of 1440 x 1024 resolution at 4,700 fps. For easy operation, the camera effortlessly integrates with the XStream RT (available in PCIe or Thunderbolt 3 configurations) for continuous streaming to SSDs in a PC environment, or with IDT's XStream Time Capsule for producing and recording concurrent LIVE and SLOW MOTION playback images. Cameras come standard with a C-mount lens mount but can be optionally configured with a motorized Micro Four Thirds Mount.

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

APPLICATIONS

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



KEY FEATURES

Maximum Resolution	1440 x 1024
Maximum FPS @ Maximum Res	4,700 fps
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)	11.6 x 11.6
Pixel Depth	10 bit mono 30 bit color
Sensitivity	30,000 ISO Mono, 10,000 ISO Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	1.4 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)

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