

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 |