XStream Mini

Model 4K Veloce

The XStream Mini Series 4K Veloce is a miniature, remote camera head supporting up to a maximimum of 3840 x 2160 resolution at 1,000 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 (pre-order) 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	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)

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

Specifications are subject to change without notification. | Data accurate as of 07 Oct. 2022