



XStream Mini

Model XSM-5K

The XStream Mini Series 5K is a miniature, remote camera head supporting up to a maximum of 5120 x 2880 resolution at 400 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. When configured with IDT's XStream Time Capsule, the Model 5K offers 4K resolution of 3840 x 2160 at 500 fps, while 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	5120 x 2880
Maximum FPS @ Maximum Res	400fps w/RT, 500fps at 4K w/Time Capsule
Operating Temperature	-40+50°C / -40+122°F

FRAME PROPERTIES

Sensor Type	CMOS - Proprietary
Sensor Size	17.92 x 10.08 mm (Active)
Sensor Format	1.3 inch
Pixel Size (micron)	3.5 x 3.5 µm
Pixel Depth	10 bit mono 30 bit color
Sensitivity	6000 ISO Mono 2000 ISO Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	12 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)



COMMUNICATION INTERFACE

Copper	XStreamLink USB-C
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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