

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

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|---------------------------|--|
| 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

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|---------------------|-------------------------------------|
| 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 |
|--------|-------------------|

SOFTWARE

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|-----------------------|--|
| 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 |