XStream™

The XStream™ is a compact camera designed for use with a computer system. It is an image-streaming camera supported by Linux, MAC OS and Windows operating systems. It is supplied with an end-user software package (Motion Monitor) as well as the SDK.

FEATURES
- Streaming camera
- High-resolution and frame rate
- High sensitivity
- Low noise
- Ready for use out-of-the-box

APPLICATIONS
Research & Development, Instructional Labs

Model PCIe 1440p

MECHANICAL

Weight	0.24 kg or 0.53 lbs
Dimensions	65 x 116 x 18 mm (W x H x L)
Shock	200G for 20ms/ Vibration 40G all axes

OPERATING TEMPERATURE

Active cooling -40 to 60 ℃

OPTICAL INTERFACE

C-mount standard	Optional PL-mount
Optional F-mount	

FRAME PROPERTIES

CMOS image sensor with 1.3" Optical Aperture

Sensitivity - 6,000 ASA mono / 2,000 ASA color

Max Resolution 2560 x 1440 pixels

Pixel size and pitch 7 x 7 µm

Pixel depth 10-bit mono/ 30-bit color

Max Rate (@max resolution) = > 425 fps

IMAGE CAPACITY

Limited to Disk

EMBEDDED LOGIC

User defined ROI's and LUT's

Frame to frame Auto-Exposure and Motion Trigger

POWER

Input Voltage: 6 VDC

COMMUNICATION INTERFACE

PCIe GEN2.0 - x4

TRIGGERING AND SYNCHRONIZATION

TTL and switch closure trigger

Circular buffer with trigger
On camera (motion) and software trigger

1 PPS & TTL Synchronization

SOFTWARE

Motion Monitor - Windows® OS, MAC OS® X, & Linux