



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

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 °C

OPTICAL INTERFACE

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

FRAME PROPERTIES

CMOS image sensor with 1.3" Optical Aperture
Sensitivity - 15,000 ASA mono / 5,000 ASA color
Max Resolution 1280 x 720 pixels
Pixel size and pitch 13.7 x 13.7 μm
Pixel depth 12-bit mono/ 36-bit color
Max Rate (@max resolution) = >1,700 fps

IMAGE CAPACITY

Limited to Disk

Model PCIe 720p



EMBEDDED LOGIC

User defined ROI's and LUT's
Frame to frame Auto-Exposure and Motion Trigger

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