Phoenix

Model PHX-HD

The XStream Phoenix Series of cameras is revolutionizing streaming in high speed. The model HD produces crisp LIVE and INSTANT REPLAY image streams at a resolution of 1920×1080 at 13,125 fps. Cameras come standard with a motorized MFT lens mount and IDT's XStreamLink fiber interface to support distances up to 2 kilometers.

- Compact form factor
- User-Friendly Operation
- Simultaneous LIVE and INSTANT REPLAY
- Fiber Interface for Long Distances

APPLICATIONS

Aerospace, Defense, Military Range Tracking, Sports Biomechanics, R&D

KEY FEATURES

Maximum Resolution	1920 x 1440
Maximum FPS @ Maximum Res	9,800
Operating Temperature	-40+50°C / -40+122°F

FRAME PROPERTIES

Sensor Type	CMOS – Proprietary
Sensor Size	20 x 15 mm
Sensor Format	1.3 inch
Pixel Size (micron)	10.4 x 10.4 µm
Pixel Depth	12 bit mono 36 bit color
Sensitivity	30,000 ISO Mono 10,000 ISO Color
Min. Exposure Time	1µs
Array	2.7 megapixel
Quantum Efficiency	60%

MECHANICAL

Weight	0.71 kg or 1.5 lbs
Dimensions	48 x 84 x 153 mm (W x H x L)
Mount	Motorized MFT (Standard)

POWER

Input Voltage	12 VDC

COMMUNICATION INTERFACE

Fiber Optic	XStreamLink

EMBEDDED LOGIC

Debayering	Color Cameras Only
Temporal Noise Reduction	Standard
Dynamic Noise Reduction	Standard
User defined ROI's and LUT's	Standard

SOFTWARE

XStream Motion Monitor	Windows 64
Motion Studio	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 Dec. 2023

Phoenix

Model PHX-UHD

The XStream Phoenix Series of cameras is revolutionizing streaming in high speed. The model UHD produces crisp LIVE and INSTANT REPLAY image streams at a resolution of 3480×2160 at 3,280 fps. Cameras come standard with a motorized MFT lens mount and IDT's XStreamLink fiber interface to support distances up to 2 kilometers.

- Compact form factor
- User-Friendly Operation
- Simultaneous LIVE and INSTANT REPLAY
- Fiber Interface for Long Distances

APPLICATIONS

Aerospace, Defense, Military Range Tracking, Sports Biomechanics, R&D

KEY FEATURES

Maximum Resolution	3840 x 2880
Maximum FPS @ Maximum Res	2,450
Operating Temperature	-40+50°C / -40+122°F

FRAME PROPERTIES

Sensor Type	CMOS – Proprietary
Sensor Size	20 x 15 mm
Sensor Format	1.3 inch
Pixel Size (micron)	5.2 x 5.2 µm
Pixel Depth	12 bit mono 36 bit color
Sensitivity	15,000 ISO Mono 5,000 ISO Color
Min. Exposure Time	1µs
Array	11 megapixel
Quantum Efficiency	60%

MECHANICAL

Weight	0.71 kg or 1.5 lbs
Dimensions	48 x 84 x 153 mm (W x H x L)
Mount	Motorized MFT (Standard)

POWER

Input Voltage	12 VDC

COMMUNICATION INTERFACE

Fiber Optic	XStreamLink

EMBEDDED LOGIC

Debayering	Color Cameras Only
Temporal Noise Reduction	Standard
Dynamic Noise Reduction	Standard
User defined ROI's and LUT's	Standard

SOFTWARE

XStream Motion Monitor	Windows 64
Motion Studio	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 Dec. 2023