



## 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 1920x1080 at 20,040 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	15,140
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 $\mu$ m
Pixel Depth	10 bit mono 30 bit color
Sensitivity	30,000 ISO Mono 10,000 ISO Color
Min. Exposure Time	1 $\mu$ s
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
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### COMMUNICATION INTERFACE

Fiber Optic	XStreamLink
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### 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



## 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 3840x2160 at 5,044 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	3,788
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	10 bit mono 30 bit color
Sensitivity	10,000 ISO Mono 3,000 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
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### COMMUNICATION INTERFACE

Fiber Optic	XStreamLink
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### 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