



SPECIFICATION SHEET

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 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

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|---------------|--------|
| Input Voltage | 12 VDC |
|---------------|--------|

COMMUNICATION INTERFACE

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|-------------|-------------|
| Fiber Optic | XStreamLink |
|-------------|-------------|

EMBEDDED LOGIC

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