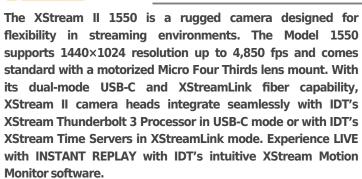


# SPECIFICATION SHEET

Model XS II-1550



- High Speed Streaming
- Dual-Mode USB-C or Fiber Interface
- LIVE with INSTANT REPLAY

### **APPLICATIONS**

Aerospace, Military Range testing, Research

#### **KEY FEATURES**

| EDAME DRODERTIES          |                      |
|---------------------------|----------------------|
| Operating Temperature     | -40+50°C / -40+122°F |
| Maximum FPS @ Maximum Res | 4,850 fps            |
| Maximum Resolution        | 1440 x 1024          |

#### FRAME PROPERTIES

| FRAME PROPERTIES    |                                     |
|---------------------|-------------------------------------|
| Sensor Type         | CMOS - Proprietary                  |
| Sensor Size         | 16.7 x 11.9 mm                      |
| Sensor Format       | 1.3 inch                            |
| Pixel Size (micron) | 11.60 x 11.60 um                    |
| Pixel Depth         | 12 bit mono 36 bit color            |
| Sensitivity         | 30,000 ISO Mono, 10,000 ISO Color   |
| Min. Exposure Time  | 1μs (*Shorter Integration optional) |
| Array               | 1.5 megapixel                       |
| Quantum Efficiency  | 60%                                 |
|                     |                                     |

## **MECHANICAL**

| Weight     | 0.67 kg or 1.48 lbs                |
|------------|------------------------------------|
| Dimensions | 68.7 x 64.3 x 133.7 mm (W x H x L) |
| Mount      | Motorized MFT Mount (Standard)     |

### TRIGGERING AND SYNCHRONIZATION

| Sync In  | Phase-lock TTL, IEEE  |
|----------|---|
| Sync Out | Frame sync / Strobe   |
| Trigger  | TTL & Switch/Circular buffer with on-camera or software trigger |



### **POWER**

| Input Voltage    | 12VDC             |  |
|------------------|-------------------|--|
| COMMUNICATION    | ON INTERFACE      |  |
| Copper           | XStreamLink USB-C |  |
| Fiber Optic      | XStreamLink Fiber |  |
| EMBEDDED LOG     | GIC               |  |
| Dala serialis si | C-1 C Oh-         |  |

| Debayering                                      | Color Cameras Only |
|---|--------------------|
| Temporal Noise Reduction                        | Standard           |
| Dynamic Noise Reduction                         | Standard           |
| User defined ROI's and LUT's                    | Standard           |
| Frame to frame Auto-Exposure and Motion Trigger | Standard           |
| Mission Mode for Remote/Autonomou<br>Operation  | s Standard         |

### **SOFTWARE**

| XStream Motion Monitor | Windows 64                                       |
|------------------------|--|
| Motion Studio          | Windows 32/64                                    |
| Motion Inspector       | Windows 32/64 - MAC OS X - Apple iOS             |
| 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 |

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