



The Os-series is a new digital high-speed camera designed to operate in the most demanding environments. The salient design feature of the Os 8 are its compact size combined with a wide data bus, making it capable of achieving very high frame rates (up to 2,000 fps) including transfer speeds to high-capacity solid-state (non-volatile) memory. Configurable DDR options include 8GB, 16GB, and 32GB.

KEY FEATURES

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| Maximum Resolution | 1600 x 1200 |
| Maximum FPS @ Maximum Resolution | 2,000 fps |
| Image Storage @ Max Frame Rate (DDR 8) | 8,275 |
| Image Storage @ Max Frame Rate (SSD 512) | 11,081 |
| Streaming FPS @ Max Resolution | 470 fps |
| Maximum FPS | 80,000 @ 1600 x 16 |
| Minimum Exposure Time | 1µs |
| Sensitivity ASA/ISO | 6000 ISO Mono 2000 ISO Color |
| Power Requirements | 18-36 VDC |
| Operating Temperature | -40+50°C / -40+122°F |

SENSOR

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|---------------------|--------------------------|
| Sensor Type | CMOS - Proprietary |
| Sensor Size | 13.9 x 10.4 mm |
| Sensor Format | 1.3 inch |
| Pixel Size (micron) | 8.68x8.68 µm |
| Pixel Depth | 12 bit mono 36 bit color |

INPUTS

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|---------|---|
| Trigger | TTL & Switch/Circular buffer with on-camera or software trigger |
| Sync | Phase-lock TTL |

OUTPUTS

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|-------|---------------------|
| Sync | Frame sync / Strobe |
| HDSDI | Optional |

FEATURES

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|--------------------------------|---|
| Approx. Size | 70 x 63 x 87 mm (W x H x L) |
| Approx. Weight | 0.69 kg or 1.52 lbs |
| Shock/Vibration Rating | Shock: 200G / Vibration: 40G - All axes |
| Battery Powered Operation Time | Optional |
| Mount | C-Mount standard , F Adaptor optional |

SOFTWARE

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

COMMUNICATION

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| Ethernet | 1000BaseT |
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