

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 10 are its compact size combined with a wide data bus, making it capable of achieving very high frame rates (up to 1,000 fps) including transfer speeds to high-capacity solid-state (non-volatile) memory. Configurable DDR options include 16GB and 32GB.



## KEY FEATURES

Maximum Resolution	3840 x 2400
Maximum FPS @ Maximum Res	1,000 fps
Maximum FPS	55,000 @ 3840 x 16
Streaming Frame Rate	65 fps
Operating Temperature	-40+50°C / -40+122°F

## SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	17.9 x 11.2 mm
Sensor Format	1.3 inch
Pixel Size (micron)	4.67 x 4.67 um
Pixel Depth	12 bit mono 36 bit color
Sensitivity	6000 ISO Mono 2000 ISO Color
Min. Exposure Time	1µs (*Shorter Integration optional)
Array	9.2 megapixel
Quantum Efficiency	60%

## MECHANICAL

Weight	0.69 kg or 1.52 lbs
Dimensions	86 x 63 x 88 mm (W x H x L)
Shock & Vibration	Shock: 200G / Vibration: 40G - All axes
Mount	C-Mount (Standard), Manual MFT, F & PL Adapter (Optional)

## IMAGE CAPACITY

Image Storage @ Max Frame Rate (DDR 8)	1,525
Image Storage @ Max Frame Rate (DDR 16)	3,174
Image Storage @ Max Frame Rate (DDR 32)	6,471
Image Storage @ Max Frame Rate (SSD 256)	3,174
Image Storage @ Max Frame Rate (SSD 512)	3,262
Maximum Image Storage (SSD 256)	48,618
Maximum Image Storage (SSD 512)	97,255

## INPUT

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

## OUTPUT

Sync Out	Frame sync / Strobe
HDSDI	Optional

## POWER

Input Voltage	24 VDC
Battery	Optional

## COMMUNICATION

Ethernet	1000BaseT
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## SOFTWARE

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