



The O Series cameras are compact, rugged, and have the most integrated image storage among the small form factor cameras - up to 32GB of integrated DDR. A 240GB removable SSD comes standard along with 16GB DDR, HDSDI, GPS, Backup battery, Rear Fan, Lower Fan and Manual Micro Four Thirds Mount. O cameras are configured with active cooling and an angled side connector. IDT

## KEY FEATURES

Maximum Resolution	3840 x 2400
Maximum FPS @ Maximum Resolution	1,000 fps
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
Streaming FPS @ Max Resolution	130 fps
Maximum FPS	55,000 @ 3840 x 16
Minimum Exposure Time	1 $\mu$ s (100 ns with SI option)
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	18-36 VDC
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)	4.67x4.67 $\mu$ m
Pixel Depth	12 bit mono 36 bit color

## INPUTS

Trigger	TTL & Switch/Circular buffer with on-camera or software trigger
Sync	Phase-lock TTL
IRIG	Optional (In place of GPS)
GPS Time Code	Standard

## OUTPUTS

Sync	Frame sync / Strobe
HDSDI	Standard

## FEATURES

Approx. Size	103 x 49 x 92 mm (W x H x L)
Approx. Weight	1.07 kg or 2.37 lbs
Shock/Vibration Rating	Shock: 200G / Vibration: 40G - All axes
Battery Powered Operation Time	Standard
Mount	Manual Micro Four Thirds Mount (Standard) C-Mount, PL-Mount, Canon Electronic Control Mount and Micr

## SOFTWARE

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

Ethernet	1000BaseT
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