



The Y4 is the most versatile camera system, useful in production and research and development environments. This camera system can be operated in an extended dynamic range (EDR) mode to produce either 11-bit or 12-bit images.

KEY FEATURES

Maximum Resolution	1024 x 1024
Maximum FPS @ Maximum Resolution	7,000 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	13,800 fps
Image Storage @ Max Frame Rate (DDR 8)	6,142
Image Storage @ Max Frame Rate (DDR 16)	12,497
Image Storage @ Max Frame Rate (DDR 32)	25,207
Image Storage @ Max Frame Rate (DDR 64)	50,627
Maximum FPS	385,000 @ 1024 x 8
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 12V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F

SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 13.9 mm
Sensor Format	1 inch
Pixel Size (micron)	13.68x13.68 um
Pixel Depth	10 bit mono 30 bit color

INPUTS

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

OUTPUTS

Sync	Frame sync / Strobe
HDMI	30 fps

FEATURES

Approx. Size	103 x 96 x 228 mm (W x H x L)
Approx. Weight	3.4 kg or 7.5 lbs
Shock/Vibration Rating	Shock: 200G / Vibration: 40G - All axes
Battery Powered Operation Time	Operation and battery back-up up to 1 hours
Mount	C-Mount standard , F&PL Adaptor optional

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	100/1000BaseT
USB2	Standard
WiFi	Optional

