



Y8 is our latest breakthrough in Y Series development. Utilizing the next generation of sensor technology, the Y8 provides a maximum resolution of 1600 x 1200 and comes in three speed grades with the capability of recording up to 6,800 fps offering uncompromised speed and performance.

## KEY FEATURES

Maximum Resolution	1600 x 1200
Maximum FPS @ Maximum Resolution	6,800 fps
Image Storage @ Max Frame Rate (DDR 8)	8,194
Image Storage @ Max Frame Rate (DDR 16)	16,667
Image Storage @ Max Frame Rate (DDR 32)	33,614
Image Storage @ Max Frame Rate (DDR 64)	67,507
Maximum FPS	165,000 @ 1600 x 16
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 10.4 mm
Sensor Format	1 inch
Pixel Size (micron)	8.68x8.68 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