IDT INNOVATION IN MOTION

The Y5 surpasses high definition with a 4.0 megapixel sensor capable of 730 fps at full resolution. Variable lens mounts support cinema lenses, as well as those built for Nikon and Canon SLRs. The HDMI output ensures that the image can be monitored at the full resolution before, during and after recording.

KEY FEATURES

Maximum Resolution	2336 x 1728
Maximum FPS @ Maximum Resolution	730 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	1,455 fps
Image Storage @ Max Frame Rate (DDR 8)	1,596
Image Storage @ Max Frame Rate (DDR 16)	3,276
Image Storage @ Max Frame Rate (DDR 32)	6,634
Image Storage @ Max Frame Rate (DDR 64)	13,350
Maximum FPS	68,000 @ 2336 x 16
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	3000 ISO Mono 1000 ISO Color
Power Requirements	minimum 12V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F

SENSOR

Sensor Type	CMOS – Proprietary
Sensor Size	16.4 x 12.1 mm
Sensor Format	1 inch
Pixel Size (micron)	7.00×7.00 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