

Mega Speed[®] X4 PRO



The Supplied SATA III to USB 3.0
Doc Cable's Transfer Speeds Are
Significantly Faster Than GigE

Continuous Recording High Speed Camera!

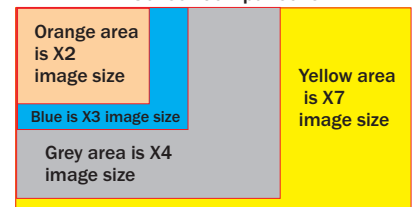


Specifications

“Hot Swap” Solid State Drive For
The Industries Fastest Work-Flow!

Work lights:	Built in high power LED work lights.
Temperature range:	0°C to 45°C Operational range. -40°C to +50°C storage range.
Camera size:	Depth 7.8cm x width 22.8cm x height 12.5cm.
Camera weight:	1550g .
Camera battery:	Internal Lithium-ion re-chargeable battery pack for 4 hrs camera operation with display active at 20°C.
Input voltage:	14 VDC from external power sources. Camera charges internal battery while recording.
Camera body:	Advanced light weight rugged ABS body.
Camera appearance:	Familiar fit, form and function that you would expect from an industrial designed device.
LCD screen:	Rear high resolution LCD screen. Full touch screen operation and control.
Sensor type:	1280 x 1024 CMOS. 10 bit . 7 x 7 micron pixels. Available in B/W or colour.
ISO settings:	User selectable from 200 minimum to 3200 maximum setting.
Low light setting:	25 fps, 40 ms exposure time for pre-capture setup and focus plus built in high power LED work lights.
Resolution / Speeds:	1280 x 1024 at 615 fps. 1300 fps @ 640 x 480 image size. Refer to the speed chart for additional information.
Speed range:	25 to 615 fps @ 1280 x 1024 and up to 2000 fps Streaming (reduced resolution) to the removable SSD.
Maximum speed:	40,000 fps at reduced image resolution adjustable in one FPS increments.
Shutter speed:	Global electric shutter 2 us to 40 milli-seconds in precise 1-2 us steps for no high speed blur.
Trigger in:	3 to 48 VDC TTL centre pin positive active high via multi pin connector or by on camera finger trigger.
Data Acquisition:	Multi channel data acquisition connection of rear of camera to accept outside signal source.
Input / output ports:	Trigger: Pre / Post, Single Sequence, Multiple Start/Stop & Continuous Mode Trigger & ADC.
Camera output:	2 X USB ports, 2 X SDHC ports, 1 HDMI video port, 1 Gigabit Ethernet port & LCD for live video.
Stack images:	User can save images in JPEG, BMP, TIFF, RAW and DNG file formats.
Video images:	User can save in AVI, RAW and DNG file formats.
Optical interface:	Standard “C” Mount. “F” Mount is optional.
Solid State Drive:	120 GB removable 1.8” Solid State Drive. 240 & 480 GB are optional.
Removable storage:	1 1.8” SATA drive bay, 1 USB 1.0, 1 USB 2.0 and 2 SDHC ports.
Strobe out:	3.3 VDC TTL via multi pin connector centre pin positive, active high.
IRIG B:	Optional IRIG B time code ready via multi pin connector for IRIG B time stamping on recorded images.
Camera RAM:	8 GB (Giga Byte) standard high speed internal buffer memory.
Software requirements:	Windows XP or Windows 7, 32 or 64 bit. (Only needed when you connect camera to a PC)
PC software:	Ships with object tracking, image analysis, video editing, formatting & image compression.
PC requirements:	2GHz, 8 GB RAM. Must have 10/100/1000 Gig E connection. (Only needed if you connect camera to a PC)
PC interface:	Gigabit Ethernet for full camera control and downloading files from the camera's solid state drive.

Sensor Comparisons



Additional items included with each camera:

4 GB SDHC card, 4GB USB stick, 5M CAT 6 Ethernet cable, SATA Dock, camera power supply, battery, screen wipes, lens brush, custom “Mega Speed” camera bag, “Mega Speed” neck strap, install CD and soft copy owner's manual.

* Lenses, hard cases, battery packs and all other accessories are available for an added cost at buyer's request.*