1000 FPS 1080P
High Speed Camera!

X9 PRO Back

New Sensor Design!
Excellent Image quality!

High Resolution!
High Speed!

Specifications

"High Speed Solid State Drive For The Industry's 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:	Mobile handheld camera. Light weight 1550g / 3.5 lbs with battery.
Camera battery:	Lithium-ion re-chargeable / removable battery for minimum 5 hrs camera operation with power saving features.
Input voltage:	14 VDC from wall adapter when required. Camera charges internal battery while plugged in and recording.
Camera body:	Self contained, hand held with advanced light weight rugged shock absorbing Space Age ABS body.
WiFi / LAN:	Camera can connect to LAN network and camera has optional WiFi connectivity.
LCD screen:	Rear high resolution LCD screen. Full touch screen operation and control.
Image Sensor:	1" color or monochrome 1920 x 1080 format CMOS 10 bit, 11um pixel pitch.
ISO Value	10,000.
Low light setting:	25 fps, 40 ms exposure time for pre-capture setup and focus plus built in high power LED work lights.
High Speed Mode:	1000 fps @ 1920 x 1080 resolution and 50,000 fps at minimum resolution..
Streaming Mode:	Camera can stream in long record mode to the internal SATA solid state drive
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, manual, external or countdown timer.
Data Acquisition:	Data acquisition connection of rear of camera to accept outside signal source.
Input / output ports:	Triggers: Pre / Post, Single Sequence, Multiple Start/Stop & Continuous Mode Trigger, Sync. & ADC.
Storage Options:	One hot swap SSD, 2 X USB & 2 X SD ports for use with USB flash drives and SD cards.
File Formats:	User can save images in AVI, JPEG, BMP, TIFF, RAW and DNG file formats.
Video Out Formats:	HDMI interface for TV / monitor and one optional 3GSDI out port.
Optical interface:	Standard "C" Mount. "F" Mount is optional.
Solid State Drive:	One hot swap re-moveable 640 GB Solid State Drive.
Removable storage:	One solid state drive, 2 USB ports & 2 SD ports.
Strobe/ Sync out:	3.3 VDC TTL via multi pin connector center pin positive, active high.
Tripod Support:	Camera has integrated ¼ x 20 tri-pod thread.
Camera RAM:	16 GB (Giga Byte) internal high speed internal image buffer memory.
IRIG B:	Optional IRIG B time code ready via multi pin connector for IRIG B time stamping on recorded images.
PC software:	Ships with Camera Control for image transfer, object tracking, image analysis, video editing software.
PC requirements:	2GHz, 8 GB RAM. 1 USB and one 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. User can also remove the SSD and connect it to the PC with the supplied USB DOC cable.

Sensor Size Comparison

The Grey area is the size of a standard 1280 x 1024 mega pixel camera.

Yellow area is the X9 size increase over the standard mega pixel camera sensor.

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Mega Speed® Accessories

Dual External Battery Pack Charger

High Power LED Light Kits

Single Charger & External Battery Packs

Heavy Duty Tri-Pods

Dual HHC Battery Charger

Replacement HHC Battery

External HHC Battery Pack With Belt Clip

"Mega Speed" Wide Body Case

Manual Trigger Box

HHC Trigger & Network Cables

"Mega Speed" Pro Case

"Mega Speed" Accessory Bag

"C" to "F" & PL Adapters

High Speed Lens

Gige PCI or PCIe Network Card

Mega Speed® Speed Chart

Partial Listing

MODEL	IMAGE SIZE	MAX FRAME RATE	MAX RECORD TIME	
X4	1280 X 1020 800 X 600 640 X 480 320 X 240	600 FPS 1,025 FPS 1,280 FPS 2,500 FPS	11 seconds with 8 GB RAM 17 seconds with 8 GB RAM 21 seconds with 8 GB RAM 44 seconds with 8 GB RAM	
X6	512 x 512 256 x 256 128 x 128	5,000 FPS 10,000 FPS 20,000 FPS	6.5 seconds with 8 GB RAM 13 seconds with 8 GB RAM 26 seconds with 8 GB RAM	
X7	1920 x 1080 1280 x 1020 1280 x 720	580FPS 617 FPS 872 FPS	7 seconds with 8 GB RAM 10.5 seconds with 8 GB RAM 10.5 seconds with 8 GB RAM	
X8	1280 x 800 1280 x 720 640 x 480	4000 FPS 4400 FPS 6700 FPS	4 seconds with 16 GB RAM 4 seconds with 16 GB RAM 6 seconds with 16 GB RAM	
X9	1920 x 1080 1280 x 1020 1280 x 720	1000 FPS 1050 FPS 1500 FPS	8 seconds with 16 GB RAM 12 seconds with 16 GB RAM 12 seconds with 16 GB RAM	
MS35K PRO	1280 X 1024 800 X 600 640 X 480	25 FPS to 80 FPS 25 fps to 200 FPS 25 FPS to 340 FPS	7 to14 days 7 to 14 days 7 to 14 days	
MS35K FIBER	1920 x 1080 1280 x 1020 1280 x 720	Up to 500 FPS up to 600 FPS up to 850 FPS	Up to 7 days Up to 7 days Up to 7 days	
MS55K-HG	1280 x 1020 1280 x 800 800 x 600 640 x 480	2000 FPS 2600FPS 3400 FPS 4200 FPS	6.5 seconds with 16 GB RAM 6.5 seconds with 16 GB RAM 10.25 seconds with 16 GB RAM 13 seconds with 16 GB RAM	13 seconds with 32 GB RAM 13 seconds with 32 GB RAM 20.5 seconds with 32 GB RAM 26 seconds with 32 GB RAM
MS60K-AB	1280 x 1024 1920 x 1080 2304 x 1720	520 FPS 350 FPS 175 FPS	20 minutes 20 minutes 20 minutes	
MS70K	512 x 512 512 x 256 512 x 128 256 x 256 512 x 8	5,139 FPS 10,220 FPS 20,200 FPS 10,220 FPS 240,600 FPS	6.3 seconds with 8 GB RAM 6.3 seconds with 8 GB RAM 6.3 seconds with 8 GB RAM 12.7 seconds with 8 GB RAM 7.7 seconds with 8 GB RAM	12.6 seconds with 16 GB RAM 12.6 seconds with 16 GB RAM 12.6 seconds with 16 GB RAM 25.4 seconds with 16 GB RAM 15.4 seconds with 16 GB RAM
MS85K	2320 x 1720 1920 x 1080 1280 x 1020 1280 x 720 800 x 600	366 FPS 583 FPS 617 FPS 872 FPS 1,046 FPS	11.7 seconds with 16 GB RAM 14 seconds with 16 GB RAM 21 seconds with 16 GB RAM 21 seconds with 16 GB RAM 34 seconds with 16 GB RAM	17.6 seconds with 24 GB RAM 21 seconds with 24 GB RAM 32.5 seconds with 24 GB RAM 32.5 seconds with 24 GB RAM 51 seconds with 24 GB RAM
MS90K-A	1280 x 860 1280 x 800 1280 x 720 640 x 480 640 x 240	4600 FPS 5000 FPS 5600 FPS 8390 FPS 16,690 FPS	3.2 seconds with 16 GB RAM 3.4 seconds with 16 GB RAM 3.4 seconds with 16 GB RAM 6.4 seconds with 16 GB RAM 6.4 seconds with 16 GB RAM	
MS95K	2400 x 1500 1280 x 1020 1280 x 720	1000 FPS 1500 FPS 1800 FPS	5 seconds with 16 GB RAM 7 seconds with 16 GB RAM 8 seconds with 16 GB RAM	
MS100K	1920 x 1080 1280 x 1020 1280 x 720	2000 FPS 2100 FPS 3000 FPS	4 seconds with 16 GB RAM 6 seconds with 16 GB RAM 6 seconds with 16 GB RAM	

Specifications are subject to change with notice. Confirm with your sales rep before placing your order.

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