

Mega Speed[®] HHC X7



Full HD High Speed Camera



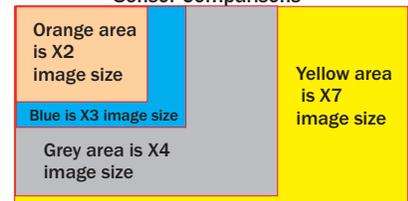
Specifications

1920 x 1080P High Speed Camera

Solid State Drives For Fast File Saving!

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 light weight rugged ABS body. Optional 1890g machined titanium & aluminum Alloy body.
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. Optional machined titanium & aluminum alloy 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:	1920 x 1080 size with a speed of 580 fps. 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.
Camera resolution:	1920 x 1080 maximum resolution at 580 fps (frames per second.) 615 fps @ 1280 x 1024 size.
Camera speeds:	25 fps to F-MAX @ 1920 x 1080. 42,000 fps at reduced image size. Adjustable in one fps steps.
Maximum speed:	42,000 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.
Synchronization:	Synchronized by external multi pin connector via TTL and to IRIG B time code to an external device.
Input / output ports:	Trigger: Pre / Post, Single Sequence, Multiple Start/Stop & Continuous Mode Trigger & syn in - out.
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:	Built in non volatile 256 GB (Giga Byte) Solid State Drive.
Removable storage:	2 x 256 GB capacity USB ports and 2 x 32 GB SDHC capacity ports.
Strobe out:	3.3 VDC TTL via multi pin connector centre pin positive, active high.
IRIG B:	IRIG B time code ready via multi pin connector for IRIG B time stamping on recorded images.
Camera RAM:	8 GB standard high speed internal buffer memory. 16 GB optional 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 10/100/1000Gig 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 (Gigabyte) SDHC card, 4GB USB stick, 5M CAT 6 Ethernet cable, 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.*