

Mega Speed[®] HHC X2

1000 fps Low Cost VGA Camera



Specifications VGA High Speed Camera

Work lights:	Built in high power LED work lights.	<p>Optional Solid State Drives For Fast File Saving!</p> <p style="text-align: center;">Sensor Comparisons</p>
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.	
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:	640 x 480 size with a speed of 1000 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:	640 x 480 maximum resolution at 1000 fps (frames per second.) 2000 fps @ 640 x 240 size.	
Camera speeds:	25 fps to 1000 fps @ 640 x 480 image size. 2,000 fps at reduced image size adjustable in one FPS steps.	
Maximum speed:	2,000 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:	Synchronization is only available if the optional Solid State Drive and Optional Gig e is ordered.	
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 stack 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:	Optional built in high capacity Solid State Drive.	
Removable storage:	2 x 256 GB capacity USB ports and 2 x 32 GB SDHC capacity ports.	
IRIG B:	Not Available.	
Strobe out:	3.3 VDC TTL via multi pin connector centre pin positive, active high.	
Camera RAM:	4 GB (Giga Byte) standard high speed internal buffer memory. 8 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 Mega Speed AVI Player software. PC control software is bundled with the Gig e option.	
PC requirements:	2GHz, 8 GB RAM. Must have 10/100/1000 Gig e connection. (Only needed if you ordered the Gig e option)	
PC interface:	Optional Gigabit Ethernet for full camera control and downloading files from the camera's solid state drive.	