Mega Pixel "Dual Mode" High Speed Camera!

1300 FPS At Full Screen Resolution

Designed And Built Specifically For The High Speed Trouble-Shooting Market. Tough, Rugged & Dependable.

Convenient Video Back-up!
The Supplied SATA III to USB 3.0 Doc Cable's Transfer Speeds Are 5 Times Faster Than GigE. No Need To Install Any Drivers On Your PC.

Built In high Power Lights!
Grab and Go! Nothing Else Needed!
"Hot Swap" Solid State Drive For The Industry's Fastest Work-Flow!

Specifications

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:	Light weight 1550g / 3.5 lbs with battery.
Camera battery:	Lithium-ion re-chargeable / removable battery for 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 Space Age 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 monitor. Full touch screen operation and control.
Image Sensor:	1280 x 1024 resolution CMOS 10 bit 7 x 7 micron pixels. Available in B/W or color sensor models .
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.
High Speed Mode:	1300 fps @ 640 x 480. 615 fps @ 1280 x 1024
Streaming Mode:	Camera can stream in long record mode up to 2000 fps to the internal removable 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 active high via multi pin connector or by on camera finger trigger.
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:	1 removable SSD, 2 X USB & 2 X SDHC ports, USB flash drive, SD cards / portable hard drive.
File Formats:	User can save images in AVI, JPEG, BMP, TIFF, RAW and DNG file formats.
Video Out Formats:	HDMI.
Optical interface:	Standard "C" Mount. "F" Mount is optional.
Solid State Drive:	Removable 1.8" Solid State Drive. 240 GB to 1 TB are available.
Removable storage:	1, 1.8" SATA drive bay, 2 USB ports and 2 SDHC ports.
Tripod Support:	Camera has integrated ¼ x 20 tri-pod thread.
Strobe/ Sync 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:	4 GB (Giga Byte) standard high speed internal image buffer memory.
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:	Optional 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.

A Portable Hand-Held High Speed Camera For Trouble-Shooting Line Jams And Eliminating Product Waste

Industry standard "C" mount or optional "F" mount for easy lens selection

Convenient neck strap mounts for added comfort while recording

Ergodynamic over-molded rubber hand grips prevent occidentally dropping your camera

Rugged, impact resistant, shock protected, high strength injection molded case

Re-moveable solid state drive technology for years of worry free performance

With the built in high power LED work lights there is no need to drag around or plug in extra work lights

Several detachable and on-board file storage options like SDHC, USB or hot-swap solid state drives

Sync in/ sync out, triggers, frame marker ADC & IRIG-B input options available

HDMI & USB mouse ports for remote viewing the camera in confined spaces

Intelligent charging module charges the battery while recording

Gigabit LAN control for when you want to control the camera from your PC

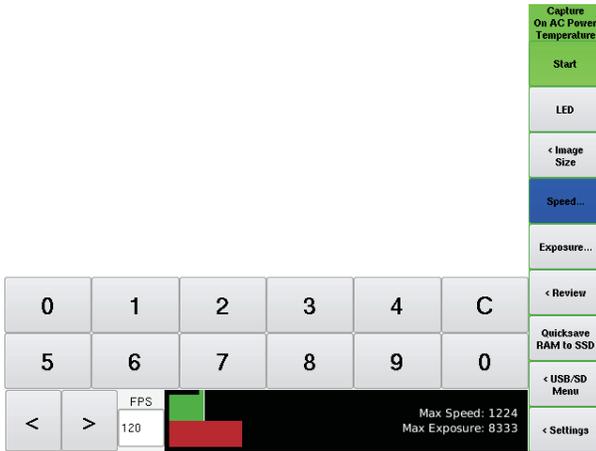Over-molded rubber screen bumper protects the high resolution touch screen

¼ x 20 TPI tri-pod mounts for secure camera mounting

Recording rates from 30 fps to 5000 fps for up to 20 minutes in a circular buffer
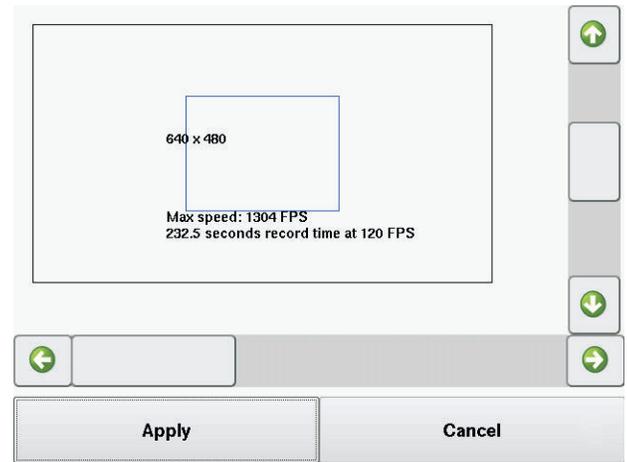
Easy To Follow Menu For All Camera Settings
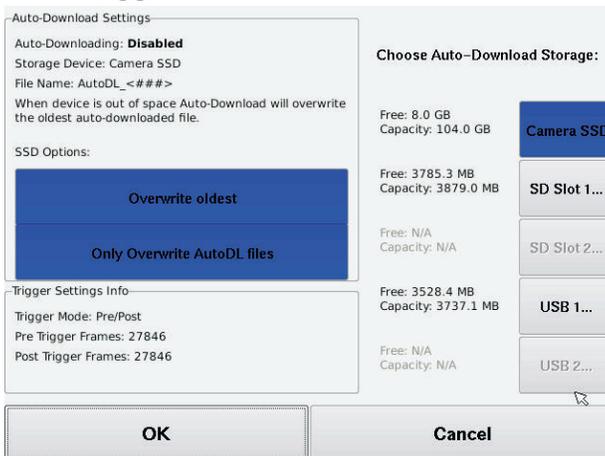
Capture
On AC Power
Temperature

Start

LED

< Image Size

Speed...

Exposure...

< Review

Quicksave RAM to SSD

< USB/SD Menu

< Settings

| 0 | 1 | 2 | 3 | 4 | C |
| 5 | 6 | 7 | 8 | 9 | 0 |

| < | > | FPS 120 |

Max Speed: 1224
Max Exposure: 8333

Select Any Image Size To Match your Application

640 x 480

Max speed: 1304 FPS
232.5 seconds record time at 120 FPS

Apply   Cancel

Auto-Download Options To Continuously Save Event Trigger Video From Your PLC

Auto-Download Settings

Auto-Downloading: **Disabled**
Storage Device: Camera SSD
File Name: AutoDL_<###>
When device is out of space Auto-Download will overwrite the oldest auto-downloaded file.

SSD Options:

Overwrite oldest

Only Overwrite AutoDL files

Trigger Settings Info

Trigger Mode: Pre/Post
Pre Trigger Frames: 27846
Post Trigger Frames: 27846

Choose Auto-Download Storage:

Free: 8.0 GB
Capacity: 104.0 GB   Camera SSD

Free: 3785.3 MB
Capacity: 3879.0 MB   SD Slot 1...

Free: N/A
Capacity: N/A   SD Slot 2...

Free: 3528.4 MB
Capacity: 3737.1 MB   USB 1...

Free: N/A
Capacity: N/A   USB 2...

OK   Cancel

Save Right To The Cameras SSD For Extended Recoding Times

Change Speed...

Delete Files...

Capture Size: 1280 x 720
Capture Speed: 120 (Max: 420)

Free: 445.5 GB
Used: 1.5 GB
Capacity: 447.0 GB   Enable Streaming to SSD

Loop When File Full

Can stream for 0:04 (mins:secs) before stopping

Size of file: 0.5 GB   Enable Fast Mode

+ More   – Less

OK   Cancel

Multiple Storage & File Saving Options

Save Info
732 Frames
640x480

Save as Video

MSV   215 MB (Raw Format)

AVI   650 MB

Save as Frame Sequence

BMP   644 MB

JPG   (varies by scene)

TIFF   858 MB

Save to:

Free: 48.0 GB
Capacity: 104.0 GB   Camera SSD

Free: 9.3 MB
Capacity: 3879.0 MB   SD Slot 1

Free: 348.5 MB
Capacity: 3847.0 MB   SD Slot 2

Free: 6.8 MB
Capacity: 3737.1 MB   USB 1

Free: N/A
Capacity: N/A   USB 2

Back

Easy to Manage File Location Menu

Select a file to open   Camera SSD: Capacity: 104 GB Used: 64 GB Free: 40 GB

| <Empty> | <Empty> | **test** | <Empty> | <Empty> | <Empty> | <Empty> | <Empty> | <Empty> |

test
1920x1080
2000 us
60 fps
97 frames
Dec 7, 2012
04:33 PM

File name: **test**   Delete File   Cancel   Open

'	1	2	3	4	5	6	7	8	9	0	<---
TAB	Q	W	E	R	T	Y	U	I	O	P	\
CAPS	A	S	D	F	G	H	J	K	L	;	ENTER
SHIFT	Z	X	C	V	B	N	M	,	.	/	SHIFT
+	-	–