

SpeedCamPro

HIGH-SPEED IMAGING IN THE PALM OF YOUR HAND



SpeedCamPro at a Glance

- Handheld, battery-powered, with built-in touchscreen LCD
- Records in Full HD @ 2000fps (higher frame rates at lower resolutions)
- Multiple recording modes to suit any situation
- Long Record Option: Stream directly to an SSD
- True Point-and-Shoot High Speed Imaging

Standard Features

- 7" Touch display for control and playback
- Internal Battery--up to 3hrs of operation
- Advanced 1920 x 1080 12-bit CMOS sensor
- Low noise pixel for superior image quality
- Full HD frame rates up to 2000fps
- Auto Exposure Mode
- DisplayPort for external monitor
- Excellent Light Sensitivity – ISO 10000



Recording Speed Chart

Width	Height	Max FPS
1920	1080	2000
1280	1024	2270
1280	720	3200
832	600	3800
640	480	4800

Advanced Features

- Optional WiFi connectivity
- 2 Super Speed USB 3.1 ports
- Fast micro SD UC port
- Record Direct to Disk
- Record to External Storage
- Advanced triggering
- Optional Built-In LED work lights

SpeedCamPro Specifications

Sensor Type	4/3" color or monochrome 1920 x 1080 format CMOS
Work Lights	Built-in high-power LED work lights for the most challenging scene illumination
Maximum Resolution	1920 x 1080
Speed	2000 fps at maximum resolution
	256,000 fps at minimum resolution
Pixel Size	10 x 10 um pixel pitch
Shutter Speed	Global electric shutter 2 us to 40 milli-seconds in precise 1-2 us steps for no high speed blur
LCD Screen	Rear 1920 x 1080 high resolution 7-inch LCD screen. Full touch screen operation and control
ISO Equivalent	10,000
A-D Converter	10-bit pixel bit depth
Trigger In	3 to 48 VDC TTL center pin positive, manual, external, countdown timer or switch closure
Strobe/Sync Out	3.3 VDC TTL via multi pin connector center pin positive, active high
Input Voltage	14 VDC from wall adapter for continuous use or to charge the camera's internal battery
IRIG B	IRIG B time code ready via multi pin connector for time stamping on recorded images
Data Acquisition	3 Channel Data acquisition connection of rear of camera to accept outside signal source
File Saving	User can save images in AVI, JPEG, BMP, TIFF, RAW and DNG file formats
Streaming Mode	Stream in long record mode up to 2000 fps to the internal enterprise class SSD
Video Out Formats	DisplayPort interface for external monitor feed.
Camera Memory	16 GB internal high speed internal image buffer memory plus 1 TB enterprise class SSD
Removable Storage	2 Super Speed USB 3.1 ports & 1 fast micro SD UC 1 port.
Tripod Support	Dual ¼ x 20 tri-pod mounts top and bottom.
PC Requirements	No PC required for camera operation. A PC with USB 3.1 or Ethernet for file transfers.
Networking	Saved files available over simple Ethernet network
WiFi	WiFi connectivity is available as an option.
Lens Mount	Standard "C" mount
Camera Size	2.5" x 9" x 5"
Camera Weight	3.4 lbs with battery
Camera Body	Handheld light weight machined anodized aluminium body
Camera Battery	Li Po re-chargeable / removable battery charges while plugged in and while in use
Temperature	0°C to 45°C Operational range. -40°C to +50°C storage range