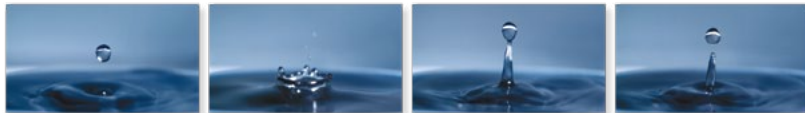


TS3 Model 100-L



TS3-L At A Glance

- **Handheld, Battery Powered, Built-in LCD**
- **800 x 600 at 1250 fps CMOS Sensor**
- **Up to 256GB of onboard image storage**
- **Multiple removable image storage options**
- **Web Camera Control via Browser**



Key Features

- **Portability** – With its small form factor, battery operation, large built in LCD screen and intuitive on-screen menu system, the TS3 100-L puts the power of a traditional high speed camera in the palm of your hands. TS3 is truly a point-and-shoot, high speed camera.
- **High Resolution High-Speed Images** – The Fastec TS3 100-L records 800 x 600 resolution at 1,250 frames per second, providing ultra-sharp images.
- **Flexible Control** - The TS3 100-L can be operated as a self-contained, handheld camera, or controlled over Gigabit Ethernet using a PC or Mac, or even over the Internet using a standard web browser for long distance control.
- **Multiple Storage Options** – The TS3 100-L features both a USB port and an SD ports to allow users to easily download images to thumb drives, SD cards, or portable hard drives. Additionally, an optional built-in SSD (solid state drive) provides for up to 256GB of non-volatile internal storage. Shoot all day long without having to download to a computer.

Fastec TS3 Model 100-L

Camera Specifications

Standard Features

System Design	Stand alone, battery powered, portable with multiple PC I/O ports
Sensor	10-bit CMOS sensor with 14 µm square pixel, color or monochrome
Resolution	800 x 600 pixel maximum
Light Sensitivity	3,200 ISO monochrome, 1,600 ISO color
Record Rate	1250 fps at 800 x 600
Shutter	Global electronic shutter from (2 µsec to 16.667ms)
Image Memory	4GB standard, (Optional 8GB)
Removable Storage	SDHC, (32GB maximum)
Memory Partition	1, 2, 4, 8 or 16 individual recording partitions
File Formats	Stack - BMP, TIFF, JPG; Video – AVI, CinemaDNG (Processed or RAW)
Still Image Format	JPEG
Lens Mount	C-Mount, F-Mount or PL-Mount
Built-in Monitor	High resolution, 178mm (7") diag. LCD
PC I/O Ports	USB (1 Host & 1 Device), SD Card, Ethernet (10/100/1000Base-T)
PC Control Software	Mac, Windows or Linux OS compatible via Web Browser or Custom App.
Trigger	Contact Closure or Low Voltage TTL (3.3V rising or falling)
External I/O Sync	Trigger In/Out, Sync In/Out, Arm In/Out, (inputs via BNC)
Video Out	HDMI (1080P, 720P, 480P)
Construction	Hard Anodized Machined Aluminum Housing
Power	Rechargeable Lithium-Ion Pack – 4 hours, or 10-26 VDC external power supply
Power Consumption	7.5 W maximum
Operating Environment	+5°C to +40°C
Size and Weight	228mm (9.0") W x 114mm (4.5") H x 89mm (3.5") D. 1.8 Kg (3.9 lbs.).

Optional Features

Image Memory	Upgrade to 8GB total
Built-In Storage	Solid State Drive (SSD) 64GB, 128GB or 256GB

Sample Frame Rates and Resolutions

Frame Rate	Resolution		4GB Capacity		8 GB Capacity	
	H.	V.	Time sec.	Frames	Time sec.	Frames
125	800	600	71.6	8,950	143.2	17,900
250	800	600	35.8	8,950	71.6	17,900
500	800	600	17.9	8,950	35.8	17,900
1000	800	600	9	8,950	17.9	17,900
1250	800	600	7.1	8,950	14.2	17,900
125	640	480	111.8	13,980	223.7	27,960
250	640	480	55.9	13,980	111.8	27,960
500	640	480	28	13,980	55.9	27,960
1000	640	480	14	13,980	28	27,960
1250	640	480	11.1	13,980	22.2	27,960