

**FASTEC IMAGING™**  
HIGH SPEED IMAGING IN THE PALM OF YOUR HAND



## TS3 100-L



### TS3 100-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, over Gigabit Ethernet via 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

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

### Optional Features

<b>Image Memory</b>	Upgrade to 4GB or 8GB total
<b>Built-In Storage</b>	Solid State Drive (SSD) 64GB, 128GB or 256GB

### Sample Frame Rates and Resolutions

Frame Rate	Resolution		2GB Capacity		4GB Capacity		8Gb Capacity	
	Rate	H.	V.	Time (sec.)	Frames	Time (sec.)	Frames	Time (sec.)
125	800	600	35.8	4,475	71.6	8,950	143.2	17,900
250	800	600	17.9	4,475	35.8	8,950	71.6	17,900
500	800	600	9	4,475	17.9	8,950	35.8	17,900
1000	800	600	4.5	4,475	9	8,950	17.9	17,900
1258	800	600	3.6	4,475	7.1	8,950	14.2	17,900
125	640	480	55.9	6,990	111.8	13,980	223.7	27,960
250	640	480	28	6,990	55.9	13,980	111.8	27,960
500	640	480	14	6,990	28	13,980	55.9	27,960
1000	640	480	7	6,990	14	13,980	28	27,960
1258	640	480	5.6	6,990	11.1	13,980	22.2	27,960