

Fastec TS3

Model 100-L

*High-Speed High Resolution Imaging in the Palm
Of Your Hand!*



Key Features

- **Portability** – With its small form factor, battery operation, large built in LCD screen and intuitive on-screen menu system, the TS3 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 images at up to 1,200 frames per second, providing ultra-sharp images.
- **Flexible Control** - The TS3 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 features both USB ports and 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.

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Camera Specifications

Standard Features

| | |
|-----------------------|---|
| System Design | Stand alone, battery powered, portable with multiple PC I/O ports |
| Sensor | CMOS sensor |
| Resolution | 800 x 600 pixel maximum |
| Pixel Size | 14 µm square |
| Light Sensitivity | 3,200 ISO monochrome, 1,600 ISO color |
| Record Rate | 1,200 fps at 800 x 600 |
| Shutter | Global electronic shutter from 2 µsec to 1 second |
| Image Memory | 2GB standard |
| Removable Storage | SDHC up to 16GB |
| Multi-Sequence Mode | 1, 2, 4, 8 or 16 individual recording partitions |
| File Formats | BMP, TIFF, DNG, JPG, AVI, RAW |
| Lens Mount | C-Mount or F-Mount |
| Built-in Monitor | Ultra bright, 178mm diag. (7"), WVGA LCD |
| Ports | USB(2), SD, GigE |
| PC Interface | PC or Mac compatible via Gigabit Ethernet or USB 2.0 |
| Control Software | MAC, Windows or Linux OS compatible |
| Trigger | Contact Closure or TTL |
| Sync | External sync inputs via BNC |
| Video Out | HDMI |
| Construction | Machined Aluminum Housing |
| Power | Rechargeable Battery Pack – 3 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 W x 114mm H x 89mm D. 1.8 Kg. |

Optional Features

| | |
|------------------|--|
| Memory Upgrade | Additional 4GB or 8GB total image memory |
| Built-In Storage | Solid State Drive (SSD) 64GB, 128GB or 256GB |
| Timing | IRIG or GPS |

SAMPLE FRAME RATES AND RESOLUTIONS

| Frame Rate | Resolution | | 2GB Capacity | | 4GB Capacity | | 8 GB Capacity | |
|------------|------------|-----|-----------------------|-------|-----------------------|--------|-----------------------|--------|
| | H. | V. | Time (sec.) Frames | | Time (sec.) Frames | | Time (sec.) Frames | |
| 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 |