



eosens TS3 100-L

High-Speed Handheld Camera



High-Speed Handheld Camera

Suited for Various Applications

With its small form factor, battery operation, large built-in LCD screen and intuitive on-screen menu system, the eosens TS3 100-L puts the power of a traditional high-speed camera in the palm of your hand. The eosens TS3 is truly a point-and-shoot high-speed camera.

Detailed High-Speed Images

The eosens TS3 100-L records up to 1,250 fps at 800 x 600 resolution, providing ultra-sharp images.

Flexible and Easy to Use

The eosens TS3 100-L can be operated as a self-contained, handheld camera, or controlled over Gigabit Ethernet using a PC or Mac. The camera can be operated over the internet as well as wirelessly while using any device with a web browser.

Multiple Storage Options

The eosens TS3 100-L features USB-ports, SATA-ports and a SD-card slot to allow easy downloads of images and videos to thumb drives, SD-cards or portable hard drives. Additionally, an optional built-in SSD (Solid State Drive) provides for up to 256 GB of non-volatile internal storage. This enables high-speed recordings without having an interim download to a computer.

eosens TS3 100-L Advantages at a Glance:

- Battery powered handheld high-speed camera
- Built-in LCD-screen with on-screen menu system
- 1,250 frames per second at 800 (H) x 600 (V) pixel resolution
- Up to 14 seconds onboard Recording Memory at full resolution and speed
- Up to 512 GB of onboard image storage
- Multiple removable storage options
- Web camera control via browser

Technical Data

(More detailed specifications are available on request)

	eosens TS3 100-L
System design	stand-alone, battery powered, portable with multiple I/O ports
Sensor	10-bit CMOS sensor with 14 µm square pixel, color or monochrome
Resolution	800 (H) x 600 (V)
Light sensitivity	3,200 ISO monochrome, 1,600 ISO color
Image speed	1 – 1,250 fps at full 800 (H) x 600 (V) resolution
Recording time	7 s at full resolution and full speed, extended recording times at reduced resolution and/or frame rate
Shutter	global electronic shutter from 2 µs to > 40 ms
Image memory	4 GB, optional 8 GB
Removable storage	SDHC, 32 GB maximum
Memory partition	1, 2, 4, 8 or 16 individual recording partitions
Frame storage	Stack – JPG, TIF, BMP, DNG Video – AVI, CAP (raw)
Still image format	JPEG
Lens mount	C-Mount or F-Mount and PL-Mount
Built-in monitor	high resolution, 178 mm (7") diag. LCD
PC I/O ports	USB (1 Host & 1 Device), SD-Card, Ethernet (10/100/1000 Base-T)
PC-Control Software	Mac, Windows or Linux OS compatible via web browser or custom app.
Trigger	contact closure or low voltage TTL (3.3 V 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	machined aluminum housing
Power	rechargeable Lithium-Ion Pack – 4 hours, or 10 – 26 V DC external power supply
Power consumption	40 W
Camera body temperature	+5 ... 40 °C
Camera size	228 x 114 x 89 mm
Weight	1.8 kg, without lens

fps = frames per second

Optional Extensions

- Ring Buffer extension up to 14 s recording time at full resolution and full speed
- Solid State Drive (SSD) with 256 GB or 512 GB

MIKROTRON GmbH

MIKROTRON is a renowned manufacturer of small and robust high-speed cameras on the international industrial image processing market. Due to their outstanding performance characteristics the cameras are perfectly suited for usage in industrial and scientific applications, as well as in sports analysis, advertisements or documentaries.

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