

HiSpec LTR4



HiSpec LTR4 At A Glance

- Continuous high-speed recording for hours
- 2336 x 1728 CMOS Sensor
- No need to download between shots
- Extended record times at lower resolutions
- Portable form factor for easy setup and transport



Key Features

- **Process Monitoring** - The HiSpec LTR4 is ideally suited to high-speed process monitoring applications. With recording speeds up to 560 frames per second at full resolution and optional frame rates up to more than 3,000 frames per second, the HiSpec LTR4 lets you see what you have been missing with standard video. Unlike traditional high-speed camera systems, the HiSpec LTR4 can record continuously for many minutes or even hours.
- **Rapid Recurring Events** - Traditional high-speed cameras only capture very short durations - as little as a few seconds – before the camera memory must be downloaded or saved to a host PC. This process can take several minutes, during which the camera is not recording. This can lead to missed events. With the HiSpec LTR4, rapidly recurring events are never missed due to download delays. The HiSpec LTR4 can be set to capture countless short duration events with no downloading necessary.
- **High Resolution High Speed Image Capture** - The HiSpec LTR4 records four-megapixel images at over 500 frames per second, providing ultra-sharp detail.
- **Portability** - The fully integrated design is ready to go - control the entire system from a Portable PC. The extremely small camera heads can fit into very tight spaces.
- **Flexibility** - The HiSpec LTR4 offers completely customizable combinations of frame rate, resolutions and recording times to suit your application.

Fastec LTR4

System Specifications

Camera	
Camera head	HiSpec 4CXP (monochrome or color)
Maximum speed at full resolution	560fps at 2336 x 1728
Light sensitivity	3200 ASA monochrome, 2400 ASA color
Lens mounts	C-mount (standard) F-mount (option)
Digital inputs	4 channels (TTL with optocouplers)
Synchronization	Sync-in/-out to synchronize multiple cameras or trigger external devices (5V TTL)
	ARM output to indicate recording state
	Automatic video trigger: ImageBLITZ (option)
Camera Power supply	100-240VAC, 50-60Hz
Operating temperature	+5 ... 35 °C
Camera to PC interface	CoaXPress
Camera dimensions	80 x 80 x 53mm (C-mount), 80 x 80 x 80mm (F-mount)

Control unit	
Control unit features	DVD-writer, USB 3.0, eSATA, Gigabit Ethernet interfaces
Control unit dimensions	44 x 35 x 24cm
Control unit weight	17kg
Display size	17"

Camera Cable Lengths	5m (Standard), 10m (Option)
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Recording times at maximum recording rates	
	20 minutes (Standard)
	30 minutes (Option)
	40 minutes (Option)

Sample resolutions and corresponding maximum frame rates	
2,336 x 1,728	560fps
2,336 x 1,314	740fps
2,336 x 864	1,120fps
2,336 x 432	2,240fps
1,920 x 1,080	900fps
1,280 x 720	1,340fps
1,024 x 768	1,260fps
800 x 600	1,610fps
640 x 480	2,020fps
480 x 320	3,020fps



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Specifications subject to change.