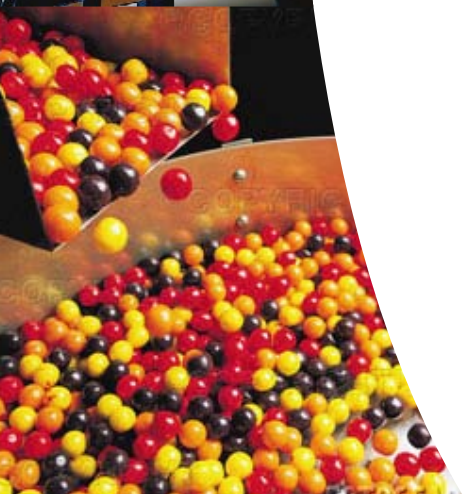


Fastec HiSpec 4

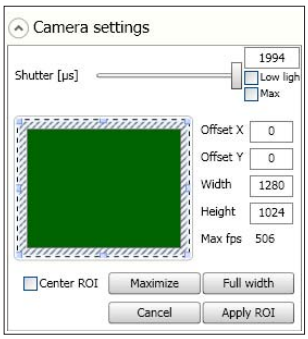
3 Megapixel High Resolution High-Speed Camera

Fast Facts

- Outstanding Image Quality: Up to 523 frames per second at 1696 x 1710 resolution.
- Extremely Fast: 1150 fps at 1280 x 1024 resolution.
- Well Connected: GiGE compatible for easy remote camera control.
- Fits Anywhere: Only 63mm H x 63mm W x 65mm D and .28 kg.
- GiGE Vision: Industry standard control interface.

High Resolution and High Speed

The HiSpec 4 provides superb quality images with its 1696 x 1710 pixel resolution. And it is a perfect fit for a wide variety of high-speed motion applications with the capability to capture megapixel images at more than 1400 fps.



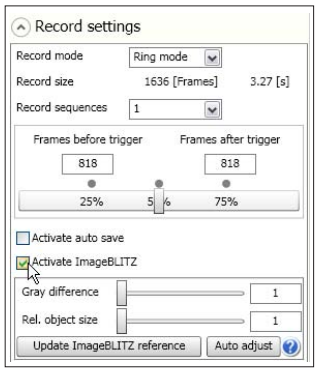
Easy to use
Camera Control Software

Optional ImageBLITZ® Auto Trigger

Now it's easy to capture those elusive random events. Simply define a "region of interest" in the field of view and let the ImageBLITZ® trigger software take over. Any change in the pre-set image area will stop the recording and save the event sequence. No special hardware or intrusive wiring is required.

Optional Multi-Sequence Record Mode

The optional Multi-Sequence Record Mode allows the recording of multiple events by partitioning the memory into 2, 4, 8 or 16 individual recordings. And with the HiSpec 4's unique Burst Trigger Mode, you can capture hundreds of separate image sequences in the memory without downloading.



ImageBLITZ® Auto Trigger feature based on selectable region of interest

Use it Everywhere

The HiSpec 4's Gigabit Ethernet interface allows the user to operate multiple cameras from any standard Notebook / PC up to a distance of 100 meters. The HiSpec 4 is designed for easy operation in virtually any industrial or laboratory environment.

See what you've been missing

FASTEC IMAGING™

Fastec HiSpec 4

3 Megapixel High Resolution High-Speed Camera

CAMERA SPECIFICATIONS

SYSTEM DESIGN	Scaleable and network-compatible with standard and/or notebook PCs. Synchronous processing of multiple cameras
SENSOR	CMOS sensor, 1696 x 1710 pixels, 8-bit monochrome or RGB color with BAYER filter. Active pixel area 19.27mm diagonal
PIXEL SIZE	8 x 8 µm
LIGHT SENSITIVITY	1,600 ISO monochrome, 1,000 ISO color
SPECTRAL BANDWIDTH	400 - 900 nm
RECORDING RATE	Up to 523 fps at full resolution, up to 298,851 fps at reduced resolution
MEMORY	2GB
RECORDING TIME	1.5 seconds at full resolution. Longer record times with variable resolution and frame rates
SHUTTER	Global electronic shutter from 2µsec to 1 second in 2µsec steps
LENS MOUNT	C-Mount or F-Mount
FRAME FORMAT	BMP, TIF, DNG, JPG or AVI file format
CAMERA/PC INTERFACE	1000/100 Ethernet interface (Gigabit Ethernet)
PHASE LOCK	Multiple cameras can be synchronized to a master camera or to an external source
TRIGGER	Contact closure, external TTL signal or software trigger with optional ImageBLITZ® Auto Trigger
MULTI-SEQUENCE RECORD MODE	2, 4, 8 or 16 individual recording partitions (optional)
CAMERA SIZE	63mm H x 63mm W x 65mm D with C-Mount. 63mm H x 63mm W x 92.5mm D with F-Mount
CAMERA WEIGHT	.28 kg. without lens
OPERATING ENVIRONMENT	+5° to +35°C (to 45°C with cooling option)
POWER SUPPLY	10 - 30V DC external power supply
POWER CONSUMPTION	7.5W maximum
CONNECTOR POSITION	Select from rear or side connector positions

SOFTWARE SPECIFICATIONS

CAMERA CONTROL SOFTWARE	HiSpec Director 2 software for Windows 7/Vista/XP
IMAGE AMPLIFICATION	Digital gain 1, 1.5 or 2
OPTIONAL SDK	GiGE Vision compatible

TYPICAL RESOLUTIONS & FRAME RATES

Maximum Frame Rate	Resolution	Recording Time @ Maximum Frame Rate	Total Frames
523 fps	1696 x 1710	1.4 sec.	743
1,150 fps	1280 x 1024	1.4 sec.	1,633
1,633 fps	1280 x 720	1.4 sec.	2,335
1,405 fps	1024 x 1024	1.4 sec.	2,051
4,453 fps	640 x 480	1.6 sec.	6,991
5,001 fps	512 x 512	1.6 sec.	8,202
14,781 fps	320 x 240	1.9 sec.	27,936
298,851 fps	128 x 2	28.1 sec.	8,388,747

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