

GigaView™ Product Overview

Realize return-on-investment quicker with GigaView's dual use modes.

Record High Definition 1280x720 video at 750-fps to memory for 30-seconds when troubleshooting machinery, VGA 640x480 video at 250-fps to disk for 8-hours for monitoring and surveillance, or both at the same time.

GigaView – a Gigabit Ethernet equipped high-speed digital video camera system is specifically designed for the difficulties of the production environment. GigaView is the only complete video solution that delivers the images you need to solve the problem...every time.

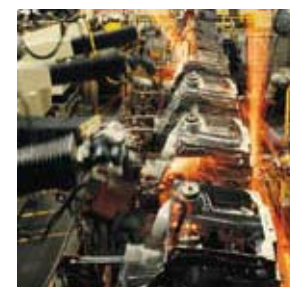
Troubleshooting (Burst) Mode

When things move too fast for the eye to see, GigaView lets you analyze high speed motion frame-by-frame to determine what's going wrong. The user-friendly software interface makes setup and operation a snap so you can concentrate on getting your production or packaging line to maximum efficiency.

Monitoring (Stream) Mode

Once troubleshooting is complete and your production or packaging line is back running at full speed, GigaView can be set up to monitor an entire shift's operation with its streaming mode. By storing 640x480 (VGA) images to disk array at 200-fps for up to 8-hrs, power disruptions, external interference, or equipment failures can be documented in detail.

Both modes are available with features not found on any other industrial high speed camera – auto-exposure, 10-bit grayscale, image-cued triggering, and sector recording. Through the combination of the highest resolution, longest record times, and fastest frame-rates, GigaView is the clear performance leader in high-speed video solutions for the production and packaging environments.



Features

- 1280 x 720 HD resolution @ 750-fps to memory
- 640 x 480 VGA resolution @ 250-fps to hard disk
- 10 bit grayscale – More information per image
- Gigabit Ethernet Interface (GigE) – Robust TCP/IP connection for plant environment
- Up to 16 GB of memory – Extends traditional record times
- Image-Cued Triggering – Offers solution when an external trigger is unavailable
- Digital output for alarm or strobe

Image-Cued Trigger

A troubleshooting aid unique to GigaView is the ability to trigger the recording process from an event in the camera's field-of-view. If you know what happens but not when, GigaView can look for the event itself and record digital video before and after the fact with a minimum of excess frames so that you can go straight to the cause of the problem.

Specifications

Mode	Resolution	Frame Rate	Recording Time	
			16-GB Memory	2.4- TB Hard Disk
Stream	160 x 120	4,000	N/A	8-hours
	320 x 240	1,000	N/A	8-hours
	640 x 480	250	N/A	8-hours
	1280 x 1024	60	N/A	8-hours
Burst	320 x 240	2,200	100-sec	N/A
	640 x 480	1,135	50-sec	N/A
	1280 x 720	750	25-sec	N/A
	1280 x 1024	530	25-sec	N/A

Spec	Stream	Burst
Max Resolution	1280 x 1024	1280 x 1024
Max Frame-rate (@ full resolution)	65	530
Pixel Size	12 x 12-µm	12 x 12-µm
Shutter	2-µsec to 20-msec	2-µsec to 20-msec
Sensor	10-bit mono or 24-bit color	10-bit mono or 24-bit color
Trigger Source	Standard TTL or Image-Cued	Standard TTL or Image-Cued
Lens Mount	C-mount*	C-mount*
Digital Outputs	Trigger/Strobe	Trigger/Strobe
Interface	TCP/IP 100/1000-BaseT (gigabit Ethernet)	TCP/IP 100/1000-BaseT (gigabit Ethernet)
Size	4.25" x 4.25" x 11"	4.25" x 4.25" x 11"
Weight	3.4 lbs	3.4 lbs
Software	Video Record and Playback	Video Record and Playback



Process inspection, high-speed motion capture, and machine troubleshooting just got easier with SVSi's GigaView high-speed camera. Designed for true networked (TCP/IP) operation, GigaView can record an entire 8-hour shift of high-resolution high-speed video to diagnose equipment failures, power disruptions, or external interference. With the easiest-to-use software on the market (just turn it on and GigaView begins recording video), you can concentrate on maximizing efficiency. GigaView reduces even the highest speed processes to slow-motion video that can be analyzed frame-by-frame.

Through the combination of the highest resolution, longest record times, and fastest frame-rates, GigaView is the clear performance leader in high-speed video solutions for the production and packaging environments.

StreamView™ Product Overview

High-speed video recording for up to 8-hours over gigabit ethernet.

Designed for video recording applications such as sports events, facility or production line monitoring, gait analysis, or traffic flow, StreamView provides a low-cost alternative by streaming VGA resolution video to host PC memory for several seconds or to disk array for several hours. Let SVSi deliver a full camera system with computer, cabling, and software fully tested before leaving the factory.

Stream to Memory

A host computer with 1-GB of on-board RAM can record 640x480 at 200fps for up to 12-seconds – more than enough for golf swings, baseball pitching and hitting, or destructive product testing. Why pay for memory twice if you don't need to? Streaming to host memory is the most cost-effective way to capture high speed video.



Stream to Disk

For those times when you just don't know when something will happen or when you can't afford to dedicate an operator to an event for hours on end, StreamView can record video direct to disk array for up to 8-hours. StreamView competes directly with much more expensive digital video recording systems at a fraction of the cost



SVLR Portable Kit

Both modes are available with user-friendly features such as auto-exposure, auto-download, auto-restart, and multiple camera operation. Through the combination of the highest resolution, longest record times, and fastest frame-rates, StreamView is the clear performance leader in high-speed video solutions for the production and packaging environments.

Model	StreamView-LR
Max Resolution	640 X 480
Max Frame-rate (@ full resolution)	200
Pixel Size	7.4 x 7.4-µm
Shutter	10-µsec to 20-msec
Sensor	8-bit mono or 24-bit color
Trigger Source	Standard TTL
Lens Mount	C-mount*
Digital Outputs	Trigger/Strobe
Interface	100/1000-BaseT (gigabit Ethernet)
Size	1.5" x 2.0" x 3.2"
Weight	0.4 lbs
Software	Video Record and Playback