

# Fastec InLine

Network-Ready High-Speed Camera

## High-Speed Production Monitoring

**Fast.** Record up to 1000 frames per second and stop the action.

**Compact.** Multiple mounting options. Easily fits into tight spaces on production lines.

**Easy.** Capture thousands of images with the automatic download and reset feature and review them anywhere on the network with the free media player.

**Connected.** Control multiple InLine cameras via GigaBit Ethernet. Multiple triggering options and powerful analysis software.



## InLine Solves Problems Everywhere

### For The Production Line

- Analyze and reduce jams
- Build historical database of machine performance
- Tie into Machine Vision systems with images and data showing why failures occur
- Lower scrap and rejected material costs

### As a Stand-Alone System

- Research
- Sports



*See what you've been missing*

# Fastec InLine

Network-Ready High-Speed Camera

## CAMERA SPECIFICATIONS

**MODELS** InLine 250, InLine 500 and InLine 1000 (Monochrome and Color).

**SENSOR** CMOS array, 8-bit monochrome resolution, 24-bit color resolution.

**SHUTTER** 1x, 2x, 3x, 4x, 5x, 10x and 20x the recording rate.

**RECORDING MODES** Begins recording when the record function is enabled. Continues to record and store images in memory until an external trigger signal is received. The adjustable trigger position determines how many frames are stored before and after the trigger signal is received.

**PLAYBACK MODES** Single step mode plus auto playback at 1, 2, 3, 4, 5, 10, 15, 25, 30, 50, 60, 125, 250, 500 and 1000 frames per second, forward and reverse.

**DISPLAY** Uses PC monitor.

**CONTROL FUNCTIONS** Via PC. Set Record Rate, Set Shutter Speed, Set Playback Rate, Set Trigger Point, Record, Stop, Download.

**I/O CONNECTORS** Power On/Off, Hirose multifunction input connector, Gigabit Ethernet RJ45.

**TRIGGER INPUT** Contact closure or standard TTL signal, 5 volt falling edge.

**MOUNTS** C-mount lens mount, multiple 1/4-20 tripod mounts top and bottom.

**SIZE & WEIGHT** 6cm W x 6cm H x 17cm D; 0.5 kg.

## SOFTWARE SPECIFICATIONS

**CAMERA CONTROL SOFTWARE** FIMS 3.0 with camera set-up, auto-download and image playback.

**SOFTWARE DEVELOPMENT KIT** SDK with Windows DLLs and a sample demonstration application written in MS Visual C++

Recording Rate (fps)	Resolution	512MB Memory		1GB Memory		2GB Memory	
		Frames	Time (sec)	Frames	Time (sec)	Frames	Time (sec)
50	640 x 480	2,193	43.9	4,387	87.7	8,774	175.5
60	640 x 480	2,193	36.6	4,387	73.1	8,774	146.2
125	640 x 480	2,193	17.5	4,387	35.1	8,774	70.2
250	640 x 480	2,193	8.8	4,387	17.5	8,774	35.1
50	640 x 240	4,405	88.1	8,811	176.2	17,623	352.5
60	640 x 240	4,405	73.4	8,811	146.9	17,623	293.7
125	640 x 240	4,405	35.2	8,811	70.5	17,623	141.0
250	640 x 240	4,405	17.6	8,811	35.2	17,623	70.5
500	640 x 240	4,405	8.8	8,811	17.6	17,623	35.2
50	440 x 330	4,622	92.4	9,243	184.9	18,487	369.7
60	440 x 330	4,622	77.0	9,243	154.1	18,487	308.1
125	440 x 330	4,622	37.0	9,243	73.9	18,487	147.9
250	440 x 330	4,622	18.5	9,243	37.0	18,487	73.9
500	440 x 330	4,622	9.2	9,243	18.5	18,487	37.0
50	320 x 240	9,198	184.0	18,396	367.9	36,792	735.8
60	320 x 240	9,198	153.3	18,396	306.6	36,792	613.2
125	320 x 240	9,198	73.6	18,396	147.2	36,792	294.3
250	320 x 240	9,198	36.8	18,396	73.6	36,792	147.2
500	320 x 240	9,198	18.4	18,396	36.8	36,792	73.6
1000	320 x 240	9,198	9.2	18,396	18.4	36,792	36.8