

# Factory Drive Recorder

## Product Guide



## Overview

Omron's brand new Factory Drive Recorder software gives engineers the ability to record up to 5 minutes before or after a designated incident. The Factory Drive recorder has the capability of up to 8 cameras on a singular system, giving system designers the ability to record with up to 8 different locations within the system when an incident occurs. Engineers can utilize 4 different triggering methods to trigger the software to record; Time based trigger (trigger every X period of time), Motion Detection (ex. When a door is opened), Master Image Comparison, or from a Hardware trigger signal (whether from a sensor, PLC, or other external source).

The Omron Factory Drive Recorder is compatible with the M Series GigE Vision and the M Series USB3 Vision Omron industrial cameras. These cameras feature resolutions from 0.4 to 20 MP, and frame rates as high as 527 FPS, including a multitude of high end Sony Pregius sensors with Global Shutter. The integration of Omron's top of the line Industrial Cameras with the ease of use of the Factory Drive Recorder software provides engineers with one of the easiest to use event capture software's on the market today, with the power and quality Omron is known for in the field.

## Key features

- Record up to 5 minutes before and after Event Trigger
- High Speed Recording
  - Cameras available with Frame Rates up to 527 FPS (USB3 Vision)
- Multiple Trigger Options
  - Motion Detection
  - Time Trigger
  - Master Image Comparison
  - Trigger Signal
- Ease of Use
  - Simple to use software interface
  - Easy integration with Omron Industrial Cameras
- Multiple Camera Options through Omron Industrial Cameras
  - USB3 Vision or GigE Vision
  - Up to 20 MP Resolutions

## Applications

- Quality Inspection
- Test Equipment
- Progressive Die Casting
- Robotics Guided Automation
- Collaborative Robots
- Tooling
- Canning
- Electronics & Semiconductor Production
- General Automation & Machine Vision

## Primary Benefits

- User can utilize the Factory Drive Recorder to monitor and evaluate the potential causes of errors and problems with their automation machines.
- Using the FDR, engineers can significantly reduce the amount of time spent troubleshooting to find out what caused the issue.
- Companies can reduce the amount of time lines are down for errors and save money loss due to line down situations.

## Product Selection & Accessories

- Increases flexibility, efficiency and productivity
- Simplifies integration and operations of LD robots and fleets
- Maximizes reliability and uptime



STC-M Series  
GigE Vision Camera, USB3 Vision Camera



STC-R Series  
USB3 Vision Camera Compact Remote  
Head Model



B-Series  
GigE Vision Board



UVC Cameras

## Ordering Information

### Software

Item	Max. no. of connectable cameras	Model
Factory Drive Recorder	8 per PC	STC-FDR-SW01

### Cameras

Item	Max. resolution	High-speed*1	Ultra-compact	Cable extension (100 m)	Model
GigE Vision Camera	20.4 Mpix			✓	Refer to the <i>Industrial Camera Catalog</i> (Cat. No. Q259).
USB3 Vision Camera	20.4 Mpix	✓			
USB3 Vision Camera Compact Remote Head Model	1.6 Mpix	✓	✓		
GigE Vision Board	0.4 to 20 Mpix		✓	✓	
UVC Cameras	1.3 Mpix		✓		

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