Extensive recording of data prior to and after an error event

◆ Features

◆ Diagram

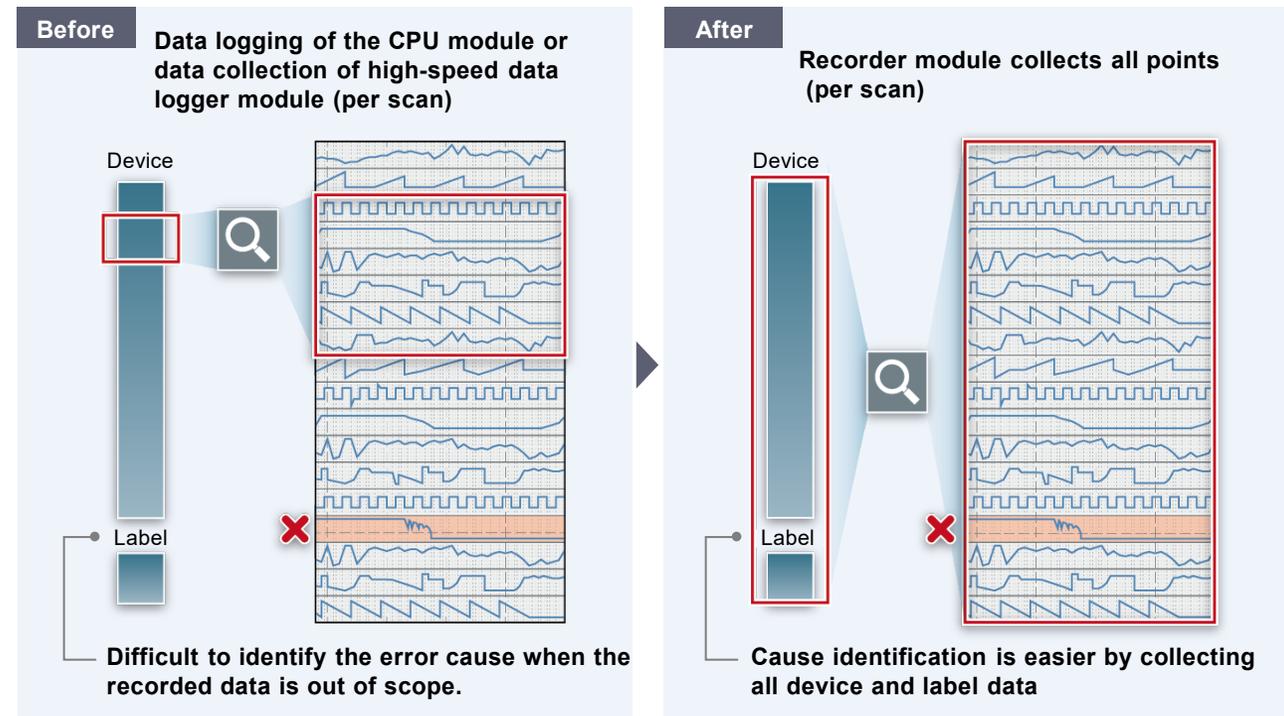## Automatically collect all data prior to and after an error event

The error cause can be identified quickly as all device and label data prior to and after an error event are automatically collected

Minimal impact on the scan time

Influence on the CPU scan time is minimal as the execution load is separated.

Extensive recording of positional data from servo

Servo systems tend to operate at a much faster cycle time compared with a programmable controller making it difficult to capture. Collecting data using a time-stamp ensures that detailed positional data from the servo can be recorded.

Before

Data logging of the CPU module or data collection of high-speed data logger module (per scan)

Device

Label

Difficult to identify the error cause when the recorded data is out of scope.

After

Recorder module collects all points (per scan)

Device

Label

Cause identification is easier by collecting all device and label data

Simplified analysis by checking camera image and device

◆ Features

◆ Diagram

Register milestone points and share amongst tools

Milestone points (log marker) can be added to the main video, program, waveform data at an error enabling quick identification of points for areas of concern.

Faster cause analysis by synchronizing various data

Synchronized playback of program, waveform data, and GOT (HMI) screens using the "seek bar" on GX Works3. Multiple data at an error can be reproduced from a remote location.
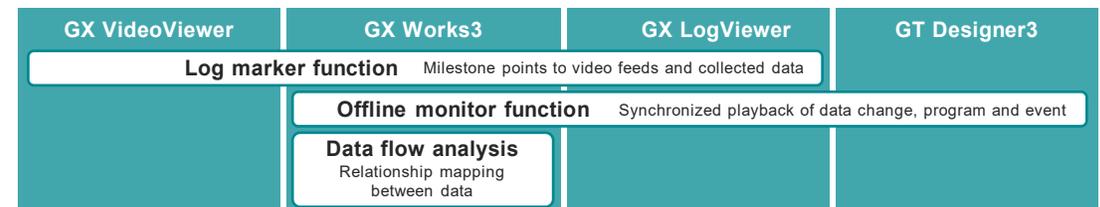
Main program languages supported

Ladder, FBD, SFC and ST language can be analyzed.

GX VideoViewer	GX Works3	GX LogViewer	GT Designer3
Log marker function Milestone points to video feeds and collected data			
	Offline monitor function Synchronized playback of data change, program and event		
	Data flow analysis Relationship mapping between data		

GX VideoViewer — Visual confirmation of irregular process behavior

GX Works3 Data flow analysis — Relationship mapping between devices

GX LogViewer — Device change analysis

GX Works3 Offline monitor — Check between data changes and program offline

GT Designer3 — Operations log of GOT (HMI)

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Changes for the Better

Utilize readily available network cameras

◆ Features   ◆ Diagram

Select network camera according to applications

Connectable with industry standards ONVIF® Profile S compliant network cameras. Select network cameras according to applications such as speed and environment.

Optimized focusing on camera subject

Can control a camera with PTZ function from either GOT (HMI) or MELIPC MI3000. Fine adjustments are supported while monitoring the live video feed.

Flexible installation

Utilize Ethernet cable for connecting with network cameras. Flexibly installable as the wiring length can be extended.*1

*1. 100 m maximum

Wide angle/fish-eye lens type
Enables panoramic view of an entire production line.

PTZ (*) type
Pre-registered positions allowing multiple areas with a single camera.
(*) Pan-Tilt-Zoom

Optical zoom type
Provides detailed and vivid images.

Modular type
Installable within control enclosures with limited space.

Wireless type
Greater installation flexibility as communication cables are not required.

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