







## FH-2051-20

FH medium speed & performance controller 2-core, NPN/PNP, 8 cameras, W10 IoT Enterprise LTSC 2019 64bit

# Specifications

Performance	Medium
Processor family	Intel® Celeron®
Operating system	Windows 10 IoT Enterprise 2019 LTSC - 64 bit
Memory	8 GB RAM (non ECC)
AI Scratch detection filter	×
AI FineMatching	×
Number of cameras	8
Integrated monitor	×
Communication port(s)	EtherCAT Slave, EtherNet/IP, Ethernet TCP/IP, PROFINET Slave, Serial RS-232C, USB
Output type	PNP/NPN
Application	2D Robot guidance, AI fine matching, Bead inspection, Code reading, Code verification, Color inspection, Counting, Defect inspection, Measurement inspection, OCR / OCV, Presence / Absence

# Accessories

	<b>FH-MT12</b>	Vision system FH touch panel monitor 12-inch
	<b>FH-VMDA 2M</b>	Vision system accessory FH conversion cable monitor DVI-RGB 2 m
	<b>FH-VMDA 5M</b>	Vision system accessory FH conversion cable monitor DVI-RGB 5 m
	<b>FH-VUAB 2M</b>	Vision system accessory FH USB cable touch panel 2 m



**FH-VUAB 5M**

Vision system accessory FH USB cable touch panel 5 m



**FZ-MEM16G**

Accessory FH, USB memory 16G



**GX-JC03**

3-port EtherCAT Junction module, 24 VDC power supply



**GX-JC06**

6-port EtherCAT Junction module, 24 VDC power supply

**HMC-SD293**

SD memory card, 2 GB

**HMC-SD493**

SD memory card, 4 GB



**W4S1-05D**

5-port enhanced Ethernet switch

**XW2Z-050EE**

Parallel I/O cable for terminal block XW2R-\_34G-T, 0.5 m

**XW2Z-100EE**

Parallel I/O cable for terminal block XW2R-\_34G-T, 1 m

**XW2Z-200EE**

Parallel I/O cable for terminal block XW2R-\_34G-T, 2 m

**XW2Z-300EE**

Parallel I/O cable for terminal block XW2R-\_34G-T, 3 m



**XW2Z-S013-2**

Parallel I/O cable, 2m, for FH series only

## Downloads

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**FH Series Vision System  
Flyer**

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**FH Series Vision System  
- Sysmac Studio  
Operation Manual**

EN PDF 11.9 MB

**FH Series Vision System  
- Hardware  
Setup Manual**

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**FH Series Vision System  
- Macro Customize  
Functions  
Programming Manual**

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**FH-series Vision System  
Datasheet**

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**FH/FHV Series  
Communications  
Settings  
Communications  
Manual**

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**FH/FHV Series Vision  
System  
Users Manual**

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**FH/FHV Series Vision  
System - Processing  
Item Function  
Reference Manual**

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**FH/FHV Vision  
Application Guide for  
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Practice Guide**

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**FH/FHV Vision  
Application Guide for  
Omron robots  
Practice Guide**

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**FH/FZ5 Series Vision  
System  
Users Manual**

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**FHV Series  
Setup Manual**

EN PDF 26.6 MB

**FHV Software Inst 32bit  
v651  
Software**

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**FH\_Simulator\_Launcher\_v655  
Software**

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**FH\_Simulator\_Launcher\_v66  
Software**

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**FZ5 Series Vision  
System  
Users Manual**

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**FZ5 Series Vision  
System -  
Communications  
Settings  
Users Manual**

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### FZ5 Series Vision System - Hardware Setup Manual

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### FZ5 Series Vision System - Macro Customize Functions Programming Manual

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### FZ5 Series Vision System - Processing Item Function Reference Manual

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### Murata CR-series Battery Safety Datasheet

EN PDF 385 KB



### Selection Guide for Vision Sensors Brochure

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### Traceability Solutions Toolbox Software

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