







## FH-2051

FH medium speed & performance controller 2-core, NPN/PNP, 2 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           | 2   |
| 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**

EN PDF 5.92 MB

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

EN PDF 11.9 MB

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

EN PDF 21.4 MB

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

EN PDF 5.96 MB

**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  
ABB robots  
Practice Guide**

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

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

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

EN PDF 3.02 MB

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

EN PDF 3.27 MB

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

EN PDF 43.2 MB

**FHV Series  
Setup Manual**

EN PDF 26.6 MB

**FHV Software Inst 32bit  
v651  
Software**

EN ZIP 33.6 MB

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

EN ZIP 90.8 MB

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

EN ZIP 90.7 MB

**FZ5 Series Vision  
System  
Users Manual**

EN PDF 19.3 MB

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

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### FZ5 Series Vision System - Hardware Setup Manual

EN PDF 19.4 MB



### 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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