

Discontinuation Notice of Smart Sensors (with Ultra-High-Speed CCD Cameras) Model ZFV series.

Product Discontinuation

Smart Sensors
(with Ultra-High-Speed CCD Cameras)

Model ZFV series



Recommended Replacement

Smart Camera

Model F430 series or

Model FQ2 series

Please contact our sales
representative for details.

[Final order entry date]

The end of March, 2021

[Date of The Last Shipping]

The end of June, 2021

[Scheduled date of maintenance close]

The end of March, 2026

[Caution on recommended replacement]

Please replace a whole system, because the Camera, the Camera Cable etc. cannot be used in the replacement Controller.

Please contact our sales representative for details of recommended alternatives.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
F430 series	--	--	--	--	--	--	--
FQ2 series	--	--	--	--	--	--	--

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

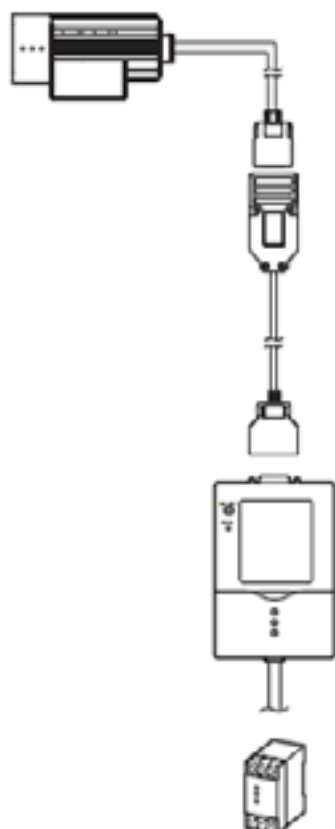
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement	Product discontinuation	Recommended replacement
ZFV-A10	F430 series or FQ2 series Please contact our sales representative for details.	ZFV-SC50	F430 series or FQ2 series Please contact our sales representative for details.
ZFV-A15		ZFV-SC50-02 0.3M	
ZFV-A20		ZFV-SC50R 2M	
ZFV-A25		ZFV-SC50W	
ZFV-CA40		ZFV-SC90	
ZFV-CA45		ZFV-SC90R 2M	
ZFV-CA50		ZFV-SC90W	
ZFV-CA55		ZFV-SH10 2M	
ZFV-LTF01		ZFV-SH50	
ZFV-LTL01		ZFV-SR10	
ZFV-LTL02		ZFV-SR10-02 0.3M	
ZFV-LTL04		ZFV-SR10R 2M	
ZFV-R1010		ZFV-SR50	
ZFV-R1015		ZFV-SR50 5M	
ZFV-R1020		ZFV-SR50-02 0.3M	
ZFV-R1025		ZFV-SR50R 2M	
ZFV-R5010		ZFV-XC3A	
ZFV-R5015		ZFV-XC3BRV2	
ZFV-R5020		ZFV-XC3BV2	
ZFV-R5025		ZFV-XC8BV2	
ZFV-SC10		ZFV-XF01	
ZFV-SC10R 2M		ZFV-XMF	
ZFV-SC150		ZFV-XMF2	
ZFV-SC150R 2M		ZFV-XMF3	
ZFV-SC150W		ZFV-XMF4	

[System configuration]

Product discontinuation
Model ZFV series

Model ZFV-A series



Sensor Head

Detects workpieces as images.

- Narrow view type ZFV-SR10_
- Wide view type ZFV-SR50_

Extension Cord

ZFV-XC3BV2(3m)/XC8BV2(8m)/XC3BRV2(3m)

Used between a Sensor Head and Amplifier Unit.

Two ZFV-XC_B(R)V2 cords can be coupled together to extend the cord length.

Amplifier Unit

Used for confirming images and menus, performing measurement processing, and outputting the result of processing.

- Single-function type ZFV-A10/-A15
- Standard type ZFV-A20/-A25

Power supply

24 VDC (+10%, -15%)

[System configuration]

Product discontinuation
Model ZFV series

Model ZFV-C series

Basic Configuration

Sensor Head

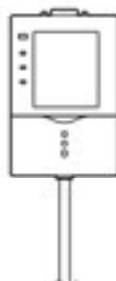
Detects workpieces as images.

- Narrow view type (Field of vision 5 to 9 mm) ZFV-SC10_
- Standard view type (Field of vision 10 to 50 mm) ZFV-SC50_
- Wide view type (Field of vision 50 to 90 mm) ZFV-SC90_
- Ultra wide view type (Field of vision 90 to 150 mm) ZFV-SC150_



Amplifier Unit

Used for confirming images and menus, performing measurement processing, and outputting the result of processing.
ZFV-CA40/CA45



Power Supply (*1)

24 VDC (+10%, -15%)



Peripheral Device

Lighting Unit (Option)

Used when the amount of light by the built-in type lighting device is insufficient or when another lighting method like back lighting is required.

This unit can be mounted to the sensor heads ZFV-SC50_/SC90_ with a single motion, and no power supply is required for the unit.

- Bar lighting ZFV-LTL01
- Bar double-lighting ZFV-LTL02
- Bar low-angle lighting ZFV-LTL04
- Light Source for Through-beam Lighting ZFV-LTF01

Sensor Head Extension Cable



ZFV-XC3BV2(3 m)/XC8BV2*(8 m)/XC3BRV2 (Robot cable type, 3 m)

Used between a Sensor Head and Amplifier Unit. Up to two extension cords can be coupled together for each sensor head to extend the cord length. There are no restrictions on combinations of the two extension cords.

*"ZFV-XC8BV2" can be used with the sensor heads "ZFV-SC10", "-SC50" and "-SC50W" only.

Personal Computer

USB

ZFX-XUSB



- Communication by commands
- Saving/loading setting data and image data by Smart Monitor ZFV Tool

For the Smart Monitor ZFV Tool, please contact your OMRON representative.

RS-232C

[For connecting a programmable controller]
ZS-XPT2
[For connecting a PC]
ZS-XRS2

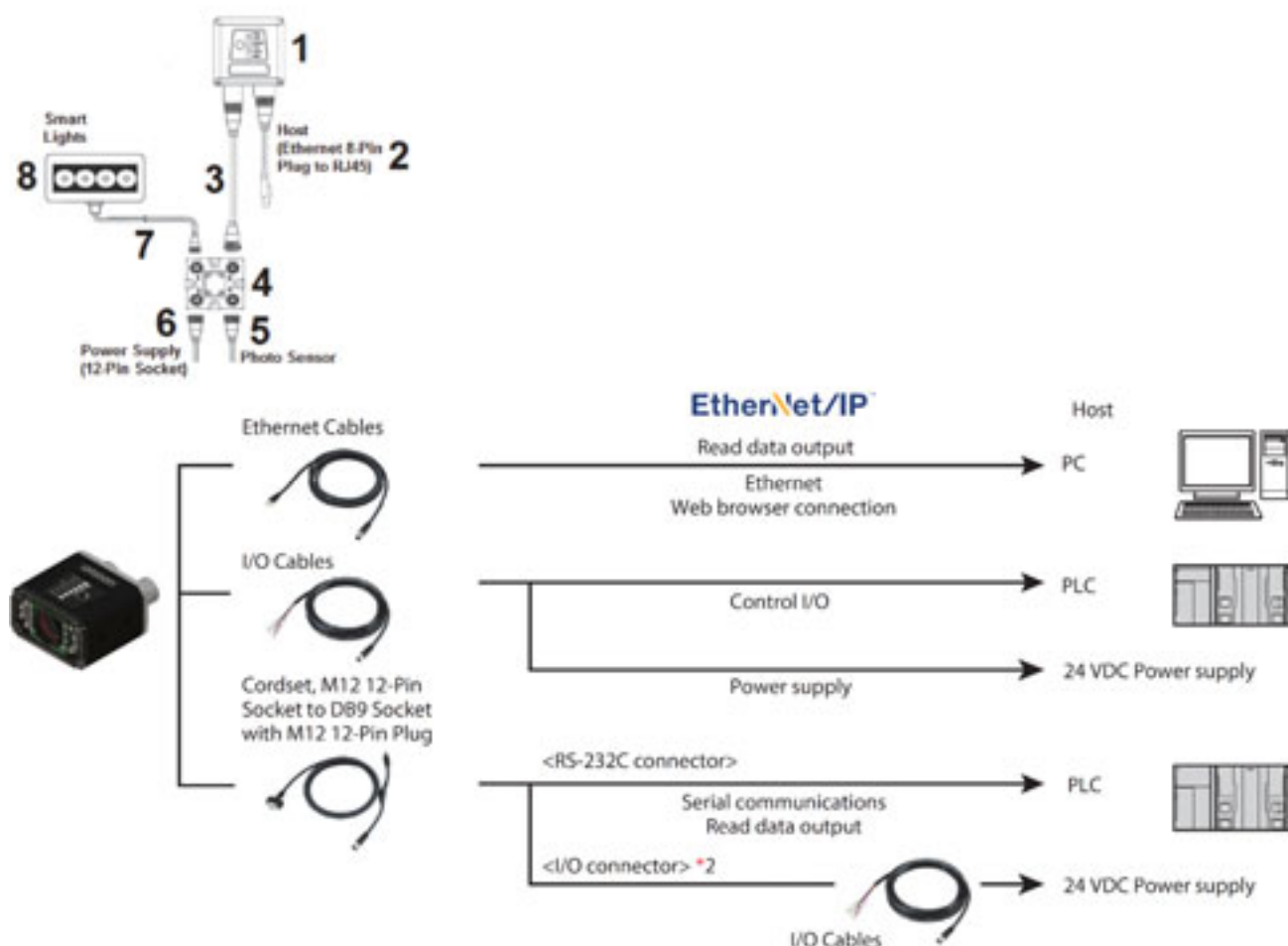
Programmable Controller



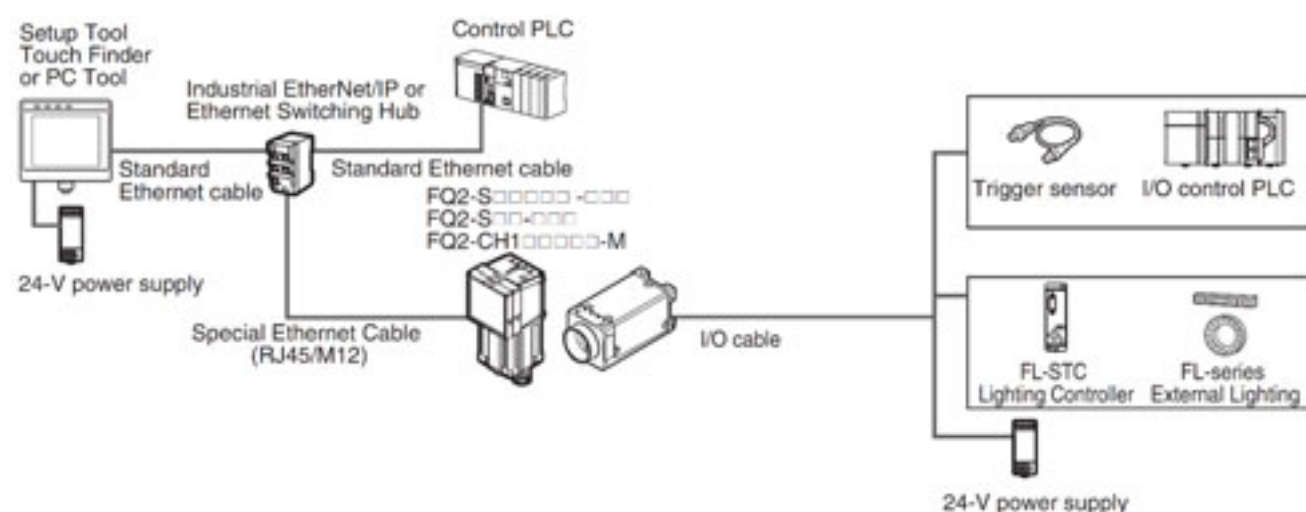
Communication by commands

[System configuration]

Recommendable replacement
Model F430 series



Recommendable replacement
Model FQ2 series



Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.