

Product Discontinuation Notice

Issue Date March, 2023

Product Discontinuation

High-speed Digital CCD Cameras

FZ-SHC FZ-SH

Pedestal

FZ-SH-XLC

Recommended Replacement

High-speed Digital CMOS Cameras



FH-SCX FH-SMX

Pedestal



FZ-S-XLC

[Final order entry date]

The end of March, 2024.

[Date of The Last Shipping]

The end of April, 2024.

[Scheduled date of maintenance close]

The end of March, 2027.

[Caution on recommended replacement]

Shortening of measurement time can be expected.

Since the external dimensions are different, please review the installation environment.

In addition, the functions/performances of the cameras are different.

Since the measurement processing time, image brightness, etc. will change according to the customer's usage environment, please perform performance verification in advance before use.

A software upgrade is required for the FH Sensor Controller (FH Series). Please use Ver6.11 or later.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen- sions	Wire connection	Mounting Dimensions	Charac- teristics	Operation ratings	Operation methods
FH-SCX	**		**	*			**
FH-SMX	**		**	*			**
FZ-SH-XLC	**		-	*	-	-	-

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

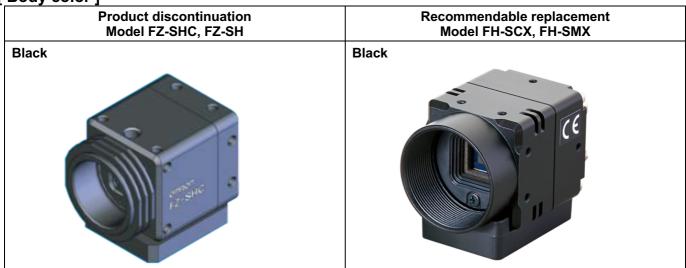
- : No corresponding specification

[Product Discontinuation and recommended replacement]

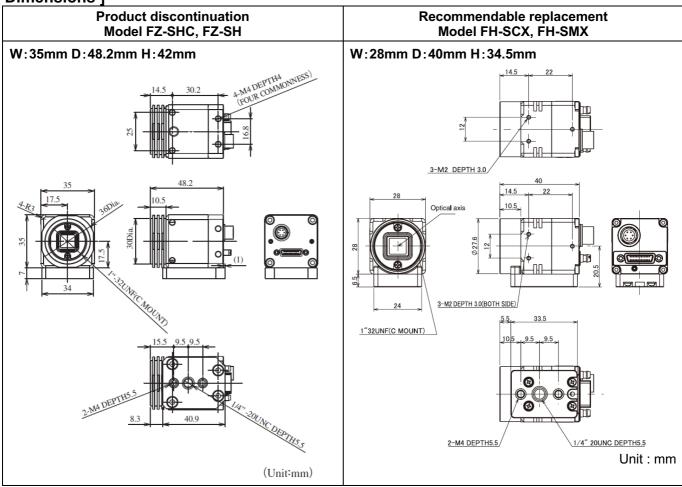
Product discontinuation	Recommended replacement		
FZ-SHC	FH-SCX		
FZ-SH	FH-SMX		
FZ-SH-XLC	FZ-S-XLC		

OMRON

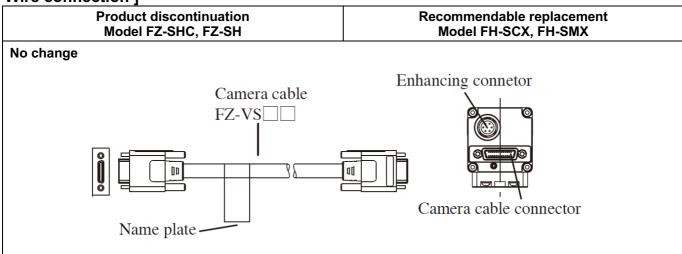
[Body color]



[Dimensions]



[Wire connection]



[Mounting dimensions]

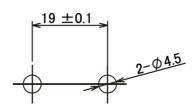
Product discontinuation Model FZ-SHC, FZ-SH

Recommendable replacement Model FH-SCX, FH-SMX

No change in mounting hole dimensions

However, the height of the center of the optical axis is increased by 4 mm.

Please adjust the installation position or inspection range.



MOUNTING SCREW HOLES

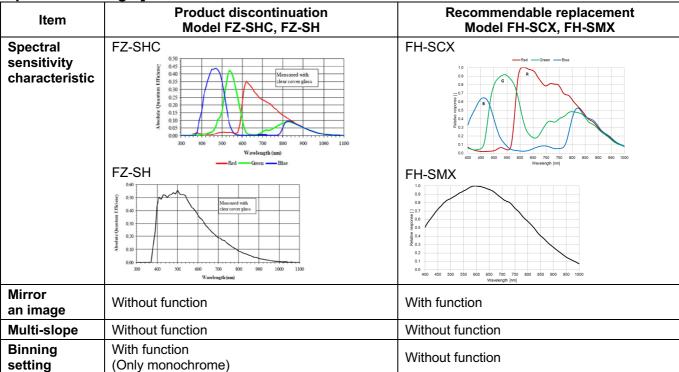
[Characteristics] OGeneral specifications

Item	Product discontinuation Model FZ-SHC, FZ-SH	Recommendable replacement Model FH-SCX, FH-SMX	
Power consumption	3.6 W max. (12 VDC)	1.6 W max. (13 VDC)	
Vibration resistance	10 to 150Hz: half-amplitude: 0.35mm:(maximum acceleration: 50m/s²), 10 times for 8 minutes each in 3 directions		
Shock resistance	Shock resistance 150m/s², 3 times each in 6 directions		
Ambient Temperature	Operating: 0 to 40 °C Storage: -25 to 65 °C with no icing nor condensation	Operating: 0 to 50 °C Storage: -20 to 65 °C with no icing nor condensation	
Ambient humidity	Operating and storage: 35% to 85% with no condensation		
Ambient environment	No corrosive gases		
Degree of protection	IEC60529 IP20	IEC60529 IP40	
Materials	Case: Aluminum Camera base: PC/ABS Mount screw: brass		
Weight	Approx.105 g (including base)	Approx.48 g (including base)	
Accessories	Instruction Sheet General Compliance Information and Instructions for EU		
Cable length	Standard mode: 15m max *Only Standard mode	Standard mode: 15 m max. High speed mode: 5 m max.	

OPerformance specifications

Item	Product discontinuation Model FZ-SHC, FZ-SH	Recommendable replacement Model FH-SCX, FH-SMX		
lmage element	1/3 inch CCD	1/2.9 inch CMOS		
Effective pixels	640(H)×480(V)	720(H)×540(V)		
Pixel size	7.4(µm)×7.4(µm)	6.9(µm)×6.9(µm)		
Scanning method	Non-interlace mode			
Synchronization	Internal Sync.			
Frame rate	Standard mode: 204fps *Only Standard mode	Standard mode: 261.7fps High-speed mode: 523.6fps		
Partial function	12 to 480 lines (2 lines each)	4 to 540 lines (4 lines each)		
Video output	Digital 10bit	Digital 8bit		
Gain	0 ~ 18.34dB	0 ~ 24dB		
Shutter speed	20μs ~ 100,000μs	1μs ~ 100,000μs		
Lens mounting	C mount (Recommended Mode : 3Z4S-LE SV-V Series)			

[Operation ratings]



[Operation methods]

Product discontinuation	Recommendable replacement			
Model FZ-SHC, FZ-SH	Model FH-SCX, FH-SMX			

No change

For details on the operation method, refer to the following manual.

- Vision System User's Manual (Z365)
- ·Vision System Hardware Setup Manual (Z366)
- •Vision System Processing Item Function Reference Manual (Z341)

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.