

## Product Discontinuation Notices

Vision Sensors / Machine Vision Systems

Issue Date  
October 1, 2013

No. 2013039CE

### Discontinuation Notice of Intelligent Camera (Narrow View) FZ-SLC15 and Autofocus Camera FZ-SZC15/100 series.

#### Product Discontinuation

Intelligent CCD Camera (Narrow View)

**Model FZ-SLC15**

Autofocus CCD Camera (Narrow View)

**Model FZ-SZC15**

Autofocus CCD Camera (Wide View)

**Model FZ-SZC100**

Intelligent Camera Diffusion Plate (Narrow field of vision)

**Model FZ-SLC15-DL**



#### Recommended Replacement

Intelligent Compact CMOS Camera (Narrow View)

**Model FZ-SQ010F**

Intelligent Compact CMOS Camera (Narrow View)

**Model FZ-SQ010F**

Intelligent CCD Camera (Wide View)

**Model FZ-SLC100**

Intelligent Camera Diffusion Plate (Wide field of vision)

**Model FZ-SLC100-DL**

#### [ Discontinuation date ]

The end of September, 2014

#### [ Caution on recommended replacement ]

##### Replacement from FZ-SLC15/SZC15 to FZ-SQ010F

The mounting direction and Installation distance etc. are different.

And so please confirm using the products in actual and in advance carefully.

The size of view must be adjusted in manual. Therefore please use FZ-SLC100 as a replacement, if it is necessary to adjust the size of view using Vision Controller in remote.

##### Replacement from FZ-SZC100 to FZ-SLC100

Please confirm if the ambient space is enough, because the illumination is added.

##### Replacement from FZ-SLC15-DL to FZ-SLC100-DL

Please replace the intelligent camera too, because FZ-SLC15-DL is designed for only FZ-SLC15.

#### [ Difference from discontinued product ]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charact-eristics	Operation ratings	Operation methods
FZ-SQ010F	--	--	**	--	*	*	--
FZ-SLC100	**	--	**	*	*	*	**
FZ-SLC100-DL	**	*	-	--	**	--	-

\*\* : Compatible

\* : The change is a little/Almost compatible




-- : Not compatible



- : No corresponding specification



#### [ Product Discontinuation and recommended replacement ]

Product discontinuation	Recommended replacement
FZ-SLC15	FZ-SQ010F
FZ-SZC15	
FZ-SZC100	FZ-SLC100
FZ-SLC15-DL	FZ-SLC100-DL

[ Body color ]

<b>Product discontinuation</b> <b>Intelligent Camera (Narrow View)</b> <b>Model FZ-SLC15</b> <b>Autofocus Camera (Narrow View)</b> <b>Model FZ-SZC15</b>	<b>Recommendable replacement</b> <b>Intelligent Compact Camera (Narrow View)</b> <b>Model FZ-SQ010F</b>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Model FZ-SLC15</p>  </div> <div style="text-align: center;"> <p>Model FZ-SZC15</p>  </div> </div>	

<b>Product discontinuation</b> <b>Autofocus Camera (Wide View)</b> <b>Model FZ-SZC100</b>	<b>Recommendable replacement</b> <b>Intelligent Camera (Wide View)</b> <b>Model FZ-SLC100</b>
	

<b>Product discontinuation</b> <b>Intelligent Camera Diffusion Plate (Narrow View)</b> <b>Model FZ-SLC15-DL</b>	<b>Recommendable replacement</b> <b>Intelligent Camera Diffusion Plate (Wide View)</b> <b>Model FZ-SLC100-DL</b>
	

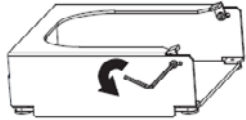
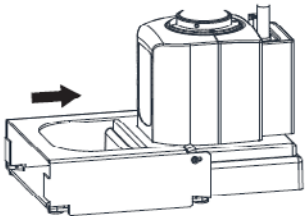
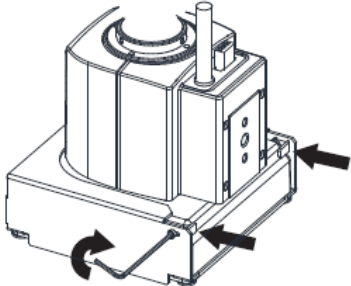
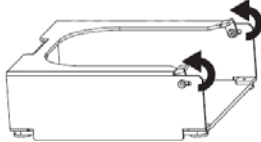
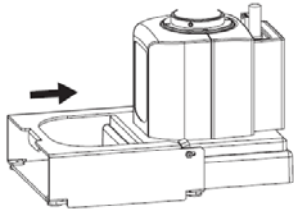
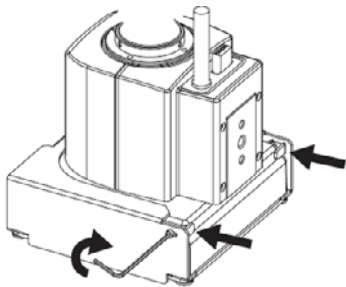
[ Wire connection ]

<b>Product discontinuation</b> <b>Model FZ-SLC15/SZC15/SZC100</b>	<b>Recommendable replacement</b> <b>Model FZ-SQ010F/FZ-SLC100</b>
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**Cameras / Cables Connection Table**

Type of Camera cable	Model of Camera cable	Cable length	Product discontinuation	Recommendable replacement	
			Intelligent Camera Model FZ-SLC15 Autofocus Camera Model FZ-SZC15/SZC100	Intelligent Compact Camera (Narrow View) Model FZ-SQ010F	Intelligent Camera Model FZ-SLC15
Camera Cables Right-angle camera cables	FZ-VS FZ-VSL	2 m	Yes	Yes	Yes
		5 m	Yes	Yes	Yes
		10 m	No	Yes	No
Bend resistant camera cables	FZ-VSB	2 m	Yes	Yes	Yes
		5 m	Yes	Yes	Yes
		10 m	No	Yes	No
Long-distance camera cable Long-distance right-angle camera cable	FZ-VS2 FZ-VSL2	15 m	No	Yes	No

[ Mounting dimensions ]

<p><b>Product discontinuation</b>  <b>Intelligent Camera Diffusion Plate (Narrow View)</b>  <b>Model FZ-SLC15-DL</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Camera Diffusion Plate (Wide View)</b>  <b>Model FZ-SLC100-DL</b></p>
<p>1. Loosen the screws of the mounting brackets with the provided hexagonal wrench and turn the brackets that will not catch when the Diffusion Board is installed.</p>  <p>2. Place the Diffusion Board on the illumination part of the FZ-SLC15.          To prevent scratching the Diffusion Board, do not allow the white translucent panel to come into contact with the FZ-SLC15.</p>  <p>3. Rotate the mounting brackets to secure the FZ-SLC15 illumination with the provided hexagonal wrench.          Securely tighten the screws of the mounting brackets.          (Recommended torque: 0.25 N · m)</p> 	<p>1. Loosen the screws of the mounting brackets and turn the brackets that will not catch when the Diffusion Board is installed.</p>  <p>2. Place the Diffusion Board on the illumination part of the FZ-SLC100.          To prevent scratching the Diffusion Board, do not allow the white translucent panel to come into contact with the FZ-SLC100.</p>  <p>3. Rotate the mounting brackets to secure the FZ-SLC100 illumination.          Securely tighten the screws of the mounting brackets.          (Recommended torque: 0.25 N · m)</p> 

[ Dimensions ]

<p><b>Product discontinuation</b>  <b>Intelligent Camera (Narrow View)</b>  <b>Model FZ-SLC15</b>  <b>Autofocus Camera (Narrow View)</b>  <b>Model FZ-SZC15</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Compact Camera (Narrow View)</b>  <b>Model FZ-SQ010F</b></p>
<p><b>Intelligent Camera (Narrow View)</b>  <b>Model FZ-SLC15</b></p> <p style="text-align: right;">(Unit: mm)</p> <p><b>Autofocus Camera (Narrow View)</b>  <b>Model FZ-SZC15</b></p> <p style="text-align: right;">(Unit: mm)</p>	<p><b>Intelligent Compact Camera (Narrow View)</b>  <b>Model FZ-SQ010F</b></p> <p style="text-align: right;">(Unit: mm)</p>

<p><b>Product discontinuation</b>  <b>Autofocus Camera (Wide View)</b>  <b>Model FZ-SZC100</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Camera (Wide View)</b>  <b>Model FZ-SLC100</b></p>
<p>(Unit: mm)</p>	<p>(Unit: mm)</p>

<p><b>Product discontinuation</b>  <b>Intelligent Camera Diffusion Plate (Narrow View)</b>  <b>Model FZ-SLC15-DL</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Camera Diffusion Plate (Wide View)</b>  <b>Model FZ-SLC100-DL</b></p>
<p>(Unit: mm)</p>	<p>(Unit: mm)</p>

[ Characteristics ]

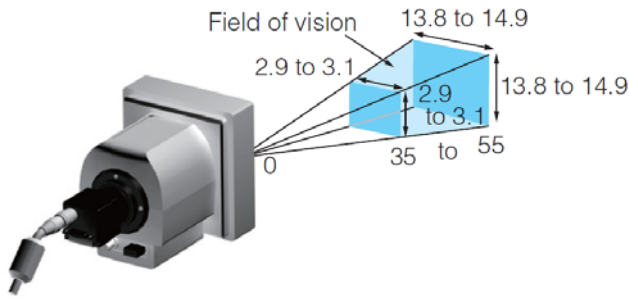
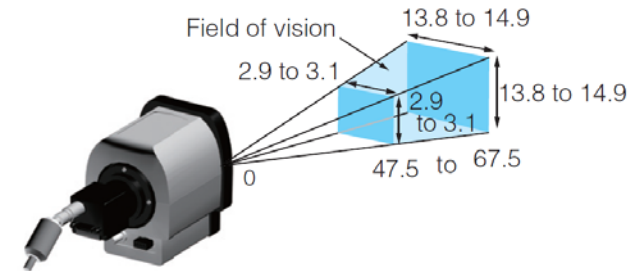
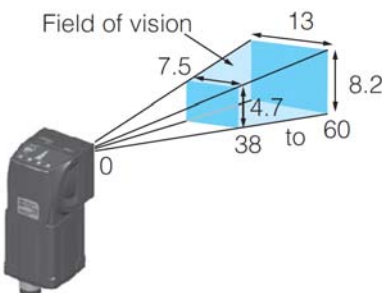
Item		Product discontinuation		Recommendable replacement
		Intelligent Camera (Narrow View) Model FZ-SLC15	Autofocus Camera (Narrow View) Model FZ-SZC15	Intelligent Compact Camera (Narrow View) Model FZ-SQ010F
Camera specifications	Picture element	1/3-inch interline color CCD		1/3-inch color CMOS
	Effective pixels	659 (H) × 494 (V)		752 (H) × 480 (V)
	Pixel size	7.4 (μm) × 7.4 (μm)		6.0 (μm) × 6.0 (μm)
	Scanning method	Non-interlace mode		
	Number of lines to be read	12 lines to 480 lines		8 lines to 480 lines
	Synchronization	Internal synchronization		
	Gain	0 dB to +13 dB		0 dB to +12 dB
	Shutter speed	1/10 to 1/50000 s		1/250 to 1/32,258 s
Lens	Operating system	Electrically driven magnification, focusing and iris		Focusing (manual)
	Zoom	Vari-focal		—
	Range of view	2.9 to 14.9 mm		7.5 × 4.7 ~ 13 × 8.2 mm
	Working distance	35 mm to 55 mm	47.5 mm to 67.5 mm	38 ~ 60 mm
Illumination	Light source	White LED	—	White LED
	Lighting system	4-block lighting with variable illumination intensity	—	ON/OFF (available)
Illumination Connection	Connected illumination	—	“MG-Wave” series by Moritex Co. product.	—
	Amperage rating	—	0.7 A or less	—
	Cable length	—	Maximum 5 m (Model M-RCB40□L by Moritex Co. product.)	—
General specifications	Power consumption	12 VDC, 1.2 A maximum		24 VDC, 1.0 A maximum
	Vibration resistance	10 to 150 Hz, half-amplitude: 0.35 mm (maximum acceleration 50 m/s <sup>2</sup> ) 10 times each in X,Y and Z directions for 8 min		
	Shock resistance	150 m/s <sup>2</sup> , 3 times each in 6 directions (up/down, left/right, forward/backward)		
	Ambient Temperature	Operating: 0 to 50°C (with no icing or condensation) Storage: -25 to 65°C (with no icing or condensation)		
	Ambient humidity	Operating and storage: 35 to 85% (with no condensation)		
	Ambient environment	No corrosive gases		
	Degree of protection	IEC60529 IP20		IEC60529 IP40
	Material	Cover for camera: Galvanized steel sheet metal Case for camera: Aluminum alloy Case for lens: ABS FZ-SLC15: Cover for illumination: Aluminum alloy FZ-SZC15: Cover for lens: Aluminum alloy Mount base: Aluminum alloy		Camera: PBT, PC, SUS Mounting Bracket: PBT Polarizing Filter Attachment: PBT, PC
Weight	FZ-SLC15: Approx. 700 g (including base) FZ-SZC15: Approx. 500 g (including base).		Approx. 150 g	

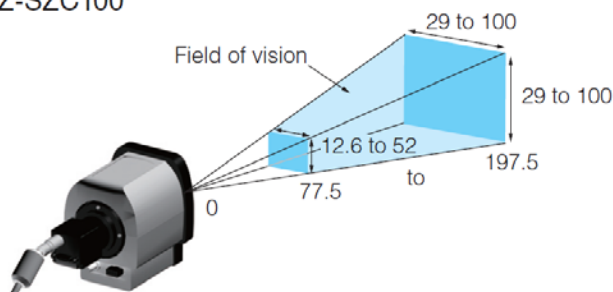
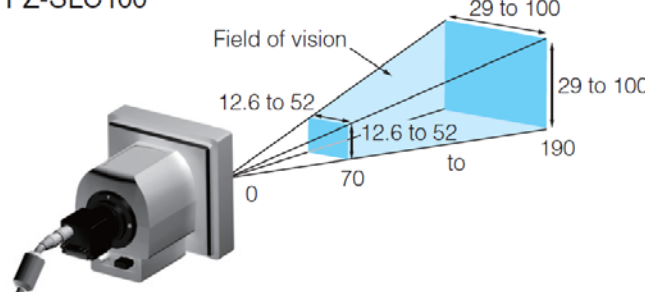
Item		Product discontinuation Autofocus Camera (Wide View) Model FZ-SZC100	Recommendable replacement Intelligent Camera (Wide View) Model FZ-SLC100
Camera specifications	Picture element	1/3-inch interline color CCD (reading all pixels)	
	Effective pixels	659 (H) × 494 (V)	
	Pixel size	7.4 (μm) × 7.4 (μm)	
	Scanning method	Non-interlace mode	
	Number of lines to be read	12 lines to 480 lines	
	Synchronization	Internal synchronization	
	Gain	0 dB to +13 dB	
	Shutter speed	1/10 to 1/50000 s	
Lens	Operating system	Electrically driven magnification, focusing and iris	
	Zoom	Vari-focal	
	Range of view	13 to 100 mm, with tolerance +/- 5% maximum	
	Working distance	77.5 mm to 197.5 mm	70 mm to 190 mm
Illumination	Light source	—	White LED (Wavelength: 400 nm to 700 nm)
	Lighting system	—	8-block lighting with variable illumination intensity
Illumination Connection	Connected illumination	"MG-Wave" series by Moritex Co. product.	—
	Amperage rating	0.7A or less	—
	Cable length	Maximum 5 m (Model M-RCB40□L by Moritex Co.product.)	—
General specifications	Power consumption	14.4 W maximum. (12 VDC, 1.2 A maximum)	
	Vibration resistance	10 to 150 Hz, half-amplitude: 0.35 mm (maximum acceleration 50 m/s <sup>2</sup> ) 10 times each in X, Y and Z directions for 8 min	
	Shock resistance	150 m/s <sup>2</sup> , 3 times each in 6 directions (up/down, left/right, forward/backward)	
	Ambient Temperature	Operating: 0 to 50°C (with no icing or condensation) Storage: -25 to 65°C (with no icing or condensation)	
	Ambient humidity	Operating and storage: 35 to 85% (with no condensation)	
	Ambient environment	No corrosive gases	
	Degree of protection	IEC60529 IP20	
	Material	Cover for camera: Galvanized steel sheet metal Case for camera: Aluminum alloy Case for lens: ABS Cover for lens: Aluminum alloy Mount base: Aluminum alloy	Cover for camera: Galvanized steel sheet metal Case for camera: Aluminum alloy Case for lens: ABS Cover for illumination: Aluminum alloy Mount base: Aluminum alloy
	Weight	Approx. 500 g (including base).	Approx. 670 g (including base).

Item	Product discontinuation Intelligent Camera Diffusion Plate (Narrow View) Model FZ-SLC15-DL	Recommendable replacement Intelligent Camera Diffusion Plate (Wide View) Model FZ-SLC100-DL
<b>Transmittance</b>	87% (typical value)	
<b>Vibration resistance</b>	10 to 150 Hz, half-amplitude: 0.35 mm (maximum acceleration: 50 m/s <sup>2</sup> ) 10 times for 8 minutes each in 3 directions	
<b>Shock resistance</b>	150 m/s <sup>2</sup> , 3 times each in 6 directions	
<b>Ambient temperature</b>	Operating: 0 to 50°C (with no icing or condensation) Storage: -25 to 60°C (with no icing or condensation)	
<b>Ambient humidity</b>	Operating and storage: 35% to 85% (with no condensation)	
<b>Ambient environment</b>	No corrosive gases	
<b>Materials</b>	Diffusion Board: PMMA, Illumination cover: Aluminum alloy	
<b>Weight</b>	Approx. 65 g	Approx. 70 g



[ Operation ratings ]

<p><b>Product discontinuation</b>  <b>Intelligent Camera (Narrow View)</b>  <b>Model FZ-SLC15</b>  <b>Autofocus Camera (Narrow View)</b>  <b>Model FZ-SZC15</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Compact Camera (Narrow View)</b>  <b>Model FZ-SQ010F</b></p>
<p><b>Field of vision</b></p> <p><b>FZ-SLC15</b></p>  <p><b>FZ-SZC15</b></p> 	<p><b>Field of vision</b></p> <p><b>FZ-SQ010F</b></p> 

<p><b>Product discontinuation</b>  <b>Autofocus Camera (Wide View)</b>  <b>Model FZ-SZC100</b></p>	<p><b>Recommendable replacement</b>  <b>Intelligent Camera (Wide View)</b>  <b>Model FZ-SLC100</b></p>
<p><b>Field of vision</b></p> <p><b>FZ-SZC100</b></p> 	<p><b>Field of vision</b></p> <p><b>FZ-SLC100</b></p> 

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.