

Product Discontinuation

Image Sensor

FHV7X Series



Recommended Replacement

Image Sensor

FHV7Y Series



Note: The FHV7-AI Series (FHV7X-C016-S□□-W-01) is excluded from the discontinuation plan.

[Final order entry date]

The end of August, 2027

The discontinuation date is subject to change due to the availability of parts and materials. Thank you for your understanding in advance.

[Date of The Last Shipping]

The end of December, 2027

[Scheduled date of maintenance close]

The end of September, 2032

[Caution on recommended replacement]

Processing performances such as processing time of processing item and communication response time will change because of replacement with the recommended replacement.

The operation of the equipment may be affected by it.

When replacing, please check the operation of the equipment.

About available application software versions

Only Ver.6.80 or later application software can be used with the recommended replacement.

Do not downgrade it to Ver.6.73 or earlier version.

If you are using customization software

Customized software designed for the product discontinuation cannot be operated with F the recommended replacement. Please contact our sales department.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
FHV7Y Series	**	**	**	**	*	*	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
FHV7X-C004-C	FHV7Y-C004-C
FHV7X-C004-H06	FHV7Y-C004-H06
FHV7X-C004-H06-MC	FHV7Y-C004-H06-MC
FHV7X-C004-H06-W	FHV7Y-C004-H06-W
FHV7X-C004-H19	FHV7Y-C004-H19
FHV7X-C004-H19-MC	FHV7Y-C004-H19-MC
FHV7X-C004-H19-W	FHV7Y-C004-H19-W
FHV7X-C004-S06	FHV7Y-C004-S06
FHV7X-C004-S06-MC	FHV7Y-C004-S06-MC
FHV7X-C004-S06-W	FHV7Y-C004-S06-W
FHV7X-C004-S09	FHV7Y-C004-S09
FHV7X-C004-S09-MC	FHV7Y-C004-S09-MC
FHV7X-C004-S09-W	FHV7Y-C004-S09-W
FHV7X-C004-S12	FHV7Y-C004-S12
FHV7X-C004-S12-MC	FHV7Y-C004-S12-MC
FHV7X-C004-S12-W	FHV7Y-C004-S12-W
FHV7X-C004-S16	FHV7Y-C004-S16
FHV7X-C004-S16-MC	FHV7Y-C004-S16-MC
FHV7X-C004-S16-W	FHV7Y-C004-S16-W
FHV7X-C004-S25	FHV7Y-C004-S25
FHV7X-C004-S25-MC	FHV7Y-C004-S25-MC
FHV7X-C004-S25-W	FHV7Y-C004-S25-W
FHV7X-C016-C	FHV7Y-C016-C
FHV7X-C016-H06	FHV7Y-C016-H06
FHV7X-C016-H06-MC	FHV7Y-C016-H06-MC
FHV7X-C016-H06-W	FHV7Y-C016-H06-W
FHV7X-C016-H19	FHV7Y-C016-H19
FHV7X-C016-H19-MC	FHV7Y-C016-H19-MC
FHV7X-C016-H19-W	FHV7Y-C016-H19-W
FHV7X-C016-S06	FHV7Y-C016-S06
FHV7X-C016-S06-MC	FHV7Y-C016-S06-MC
FHV7X-C016-S06-W	FHV7Y-C016-S06-W
FHV7X-C016-S09	FHV7Y-C016-S09
FHV7X-C016-S09-MC	FHV7Y-C016-S09-MC
FHV7X-C016-S09-W	FHV7Y-C016-S09-W
FHV7X-C016-S12	FHV7Y-C016-S12
FHV7X-C016-S12-MC	FHV7Y-C016-S12-MC
FHV7X-C016-S12-W	FHV7Y-C016-S12-W
FHV7X-C016-S16	FHV7Y-C016-S16
FHV7X-C016-S16-MC	FHV7Y-C016-S16-MC
FHV7X-C016-S16-W	FHV7Y-C016-S16-W
FHV7X-C016-S25	FHV7Y-C016-S25
FHV7X-C016-S25-MC	FHV7Y-C016-S25-MC
FHV7X-C016-S25-W	FHV7Y-C016-S25-W
FHV7X-C016-S25-W-K	FHV7Y-C016-S25-W-K
FHV7X-C032-C	FHV7Y-C032-C
FHV7X-C032-H06	FHV7Y-C032-H06

Product discontinuation	Recommended replacement
FHV7X-C032-H06-MC	FHV7Y-C032-H06-MC
FHV7X-C032-H06-W	FHV7Y-C032-H06-W
FHV7X-C032-H19	FHV7Y-C032-H19
FHV7X-C032-H19-MC	FHV7Y-C032-H19-MC
FHV7X-C032-H19-W	FHV7Y-C032-H19-W
FHV7X-C032-S06	FHV7Y-C032-S06
FHV7X-C032-S06-MC	FHV7Y-C032-S06-MC
FHV7X-C032-S06-W	FHV7Y-C032-S06-W
FHV7X-C032-S09	FHV7Y-C032-S09
FHV7X-C032-S09-MC	FHV7Y-C032-S09-MC
FHV7X-C032-S09-W	FHV7Y-C032-S09-W
FHV7X-C032-S12	FHV7Y-C032-S12
FHV7X-C032-S12-MC	FHV7Y-C032-S12-MC
FHV7X-C032-S12-W	FHV7Y-C032-S12-W
FHV7X-C032-S16	FHV7Y-C032-S16
FHV7X-C032-S16-MC	FHV7Y-C032-S16-MC
FHV7X-C032-S16-W	FHV7Y-C032-S16-W
FHV7X-C032-S25	FHV7Y-C032-S25
FHV7X-C032-S25-MC	FHV7Y-C032-S25-MC
FHV7X-C032-S25-W	FHV7Y-C032-S25-W
FHV7X-C050-C	FHV7Y-C050-C
FHV7X-C063R-C	FHV7Y-C063R-C
FHV7X-C063R-H06	FHV7Y-C063R-H06
FHV7X-C063R-H06-MC	FHV7Y-C063R-H06-MC
FHV7X-C063R-H06-W	FHV7Y-C063R-H06-W
FHV7X-C063R-H19	FHV7Y-C063R-H19
FHV7X-C063R-H19-MC	FHV7Y-C063R-H19-MC
FHV7X-C063R-H19-W	FHV7Y-C063R-H19-W
FHV7X-C063R-S06	FHV7Y-C063R-S06
FHV7X-C063R-S06-MC	FHV7Y-C063R-S06-MC
FHV7X-C063R-S06-W	FHV7Y-C063R-S06-W
FHV7X-C063R-S09	FHV7Y-C063R-S09
FHV7X-C063R-S09-MC	FHV7Y-C063R-S09-MC
FHV7X-C063R-S09-W	FHV7Y-C063R-S09-W
FHV7X-C063R-S12	FHV7Y-C063R-S12
FHV7X-C063R-S12-MC	FHV7Y-C063R-S12-MC
FHV7X-C063R-S12-W	FHV7Y-C063R-S12-W
FHV7X-C063R-S16	FHV7Y-C063R-S16
FHV7X-C063R-S16-MC	FHV7Y-C063R-S16-MC
FHV7X-C063R-S16-W	FHV7Y-C063R-S16-W
FHV7X-C063R-S25	FHV7Y-C063R-S25
FHV7X-C063R-S25-MC	FHV7Y-C063R-S25-MC
FHV7X-C063R-S25-W	FHV7Y-C063R-S25-W
FHV7X-C120R-C	FHV7Y-C120R-C
FHV7X-M004-C	FHV7Y-M004-C
FHV7X-M004-H06	FHV7Y-M004-H06
FHV7X-M004-H06-IR	FHV7Y-M004-H06-IR
FHV7X-M004-H06-MC	FHV7Y-M004-H06-MC
FHV7X-M004-H06-R	FHV7Y-M004-H06-R

Product discontinuation	Recommended replacement
FHV7X-M004-H06-W	FHV7Y-M004-H06-W
FHV7X-M004-H19	FHV7Y-M004-H19
FHV7X-M004-H19-IR	FHV7Y-M004-H19-IR
FHV7X-M004-H19-MC	FHV7Y-M004-H19-MC
FHV7X-M004-H19-R	FHV7Y-M004-H19-R
FHV7X-M004-H19-W	FHV7Y-M004-H19-W
FHV7X-M004-S06	FHV7Y-M004-S06
FHV7X-M004-S06-IR	FHV7Y-M004-S06-IR
FHV7X-M004-S06-MC	FHV7Y-M004-S06-MC
FHV7X-M004-S06-R	FHV7Y-M004-S06-R
FHV7X-M004-S06-W	FHV7Y-M004-S06-W
FHV7X-M004-S09	FHV7Y-M004-S09
FHV7X-M004-S09-IR	FHV7Y-M004-S09-IR
FHV7X-M004-S09-MC	FHV7Y-M004-S09-MC
FHV7X-M004-S09-R	FHV7Y-M004-S09-R
FHV7X-M004-S09-W	FHV7Y-M004-S09-W
FHV7X-M004-S12	FHV7Y-M004-S12
FHV7X-M004-S12-IR	FHV7Y-M004-S12-IR
FHV7X-M004-S12-MC	FHV7Y-M004-S12-MC
FHV7X-M004-S12-R	FHV7Y-M004-S12-R
FHV7X-M004-S12-W	FHV7Y-M004-S12-W
FHV7X-M004-S16	FHV7Y-M004-S16
FHV7X-M004-S16-IR	FHV7Y-M004-S16-IR
FHV7X-M004-S16-MC	FHV7Y-M004-S16-MC
FHV7X-M004-S16-R	FHV7Y-M004-S16-R
FHV7X-M004-S16-W	FHV7Y-M004-S16-W
FHV7X-M004-S25	FHV7Y-M004-S25
FHV7X-M004-S25-IR	FHV7Y-M004-S25-IR
FHV7X-M004-S25-MC	FHV7Y-M004-S25-MC
FHV7X-M004-S25-R	FHV7Y-M004-S25-R
FHV7X-M004-S25-W	FHV7Y-M004-S25-W
FHV7X-M016-C	FHV7Y-M016-C
FHV7X-M016-H06	FHV7Y-M016-H06
FHV7X-M016-H06-IR	FHV7Y-M016-H06-IR
FHV7X-M016-H06-MC	FHV7Y-M016-H06-MC
FHV7X-M016-H06-R	FHV7Y-M016-H06-R
FHV7X-M016-H06-W	FHV7Y-M016-H06-W
FHV7X-M016-H19	FHV7Y-M016-H19
FHV7X-M016-H19-IR	FHV7Y-M016-H19-IR
FHV7X-M016-H19-MC	FHV7Y-M016-H19-MC
FHV7X-M016-H19-R	FHV7Y-M016-H19-R
FHV7X-M016-H19-W	FHV7Y-M016-H19-W
FHV7X-M016-S06	FHV7Y-M016-S06
FHV7X-M016-S06-IR	FHV7Y-M016-S06-IR
FHV7X-M016-S06-MC	FHV7Y-M016-S06-MC
FHV7X-M016-S06-R	FHV7Y-M016-S06-R
FHV7X-M016-S06-W	FHV7Y-M016-S06-W
FHV7X-M016-S09	FHV7Y-M016-S09
FHV7X-M016-S09-IR	FHV7Y-M016-S09-IR

Product discontinuation	Recommended replacement
FHV7X-M016-S09-MC	FHV7Y-M016-S09-MC
FHV7X-M016-S09-R	FHV7Y-M016-S09-R
FHV7X-M016-S09-W	FHV7Y-M016-S09-W
FHV7X-M016-S12	FHV7Y-M016-S12
FHV7X-M016-S12-IR	FHV7Y-M016-S12-IR
FHV7X-M016-S12-MC	FHV7Y-M016-S12-MC
FHV7X-M016-S12-R	FHV7Y-M016-S12-R
FHV7X-M016-S12-W	FHV7Y-M016-S12-W
FHV7X-M016-S16	FHV7Y-M016-S16
FHV7X-M016-S16-IR	FHV7Y-M016-S16-IR
FHV7X-M016-S16-MC	FHV7Y-M016-S16-MC
FHV7X-M016-S16-R	FHV7Y-M016-S16-R
FHV7X-M016-S16-W	FHV7Y-M016-S16-W
FHV7X-M016-S25	FHV7Y-M016-S25
FHV7X-M016-S25-IR	FHV7Y-M016-S25-IR
FHV7X-M016-S25-MC	FHV7Y-M016-S25-MC
FHV7X-M016-S25-MC-K	FHV7Y-M016-S25-MC-K
FHV7X-M016-S25-R	FHV7Y-M016-S25-R
FHV7X-M016-S25-W	FHV7Y-M016-S25-W
FHV7X-M032-C	FHV7Y-M032-C
FHV7X-M032-H06	FHV7Y-M032-H06
FHV7X-M032-H06-IR	FHV7Y-M032-H06-IR
FHV7X-M032-H06-MC	FHV7Y-M032-H06-MC
FHV7X-M032-H06-R	FHV7Y-M032-H06-R
FHV7X-M032-H06-W	FHV7Y-M032-H06-W
FHV7X-M032-H19	FHV7Y-M032-H19
FHV7X-M032-H19-IR	FHV7Y-M032-H19-IR
FHV7X-M032-H19-MC	FHV7Y-M032-H19-MC
FHV7X-M032-H19-R	FHV7Y-M032-H19-R
FHV7X-M032-H19-W	FHV7Y-M032-H19-W
FHV7X-M032-S06	FHV7Y-M032-S06
FHV7X-M032-S06-IR	FHV7Y-M032-S06-IR
FHV7X-M032-S06-MC	FHV7Y-M032-S06-MC
FHV7X-M032-S06-R	FHV7Y-M032-S06-R
FHV7X-M032-S06-W	FHV7Y-M032-S06-W
FHV7X-M032-S09	FHV7Y-M032-S09
FHV7X-M032-S09-IR	FHV7Y-M032-S09-IR
FHV7X-M032-S09-MC	FHV7Y-M032-S09-MC
FHV7X-M032-S09-R	FHV7Y-M032-S09-R
FHV7X-M032-S09-W	FHV7Y-M032-S09-W
FHV7X-M032-S12	FHV7Y-M032-S12
FHV7X-M032-S12-IR	FHV7Y-M032-S12-IR
FHV7X-M032-S12-MC	FHV7Y-M032-S12-MC
FHV7X-M032-S12-R	FHV7Y-M032-S12-R
FHV7X-M032-S12-W	FHV7Y-M032-S12-W
FHV7X-M032-S16	FHV7Y-M032-S16
FHV7X-M032-S16-IR	FHV7Y-M032-S16-IR
FHV7X-M032-S16-MC	FHV7Y-M032-S16-MC
FHV7X-M032-S16-R	FHV7Y-M032-S16-R

Product discontinuation	Recommended replacement
FHV7X-M032-S16-W	FHV7Y-M032-S16-W
FHV7X-M032-S25	FHV7Y-M032-S25
FHV7X-M032-S25-IR	FHV7Y-M032-S25-IR
FHV7X-M032-S25-MC	FHV7Y-M032-S25-MC
FHV7X-M032-S25-R	FHV7Y-M032-S25-R
FHV7X-M032-S25-W	FHV7Y-M032-S25-W
FHV7X-M050-C	FHV7Y-M050-C
FHV7X-M063R-C	FHV7Y-M063R-C
FHV7X-M063R-H06	FHV7Y-M063R-H06
FHV7X-M063R-H06-IR	FHV7Y-M063R-H06-IR
FHV7X-M063R-H06-MC	FHV7Y-M063R-H06-MC
FHV7X-M063R-H06-R	FHV7Y-M063R-H06-R
FHV7X-M063R-H06-W	FHV7Y-M063R-H06-W
FHV7X-M063R-H19	FHV7Y-M063R-H19
FHV7X-M063R-H19-IR	FHV7Y-M063R-H19-IR
FHV7X-M063R-H19-MC	FHV7Y-M063R-H19-MC
FHV7X-M063R-H19-R	FHV7Y-M063R-H19-R
FHV7X-M063R-H19-W	FHV7Y-M063R-H19-W
FHV7X-M063R-S06	FHV7Y-M063R-S06
FHV7X-M063R-S06-IR	FHV7Y-M063R-S06-IR
FHV7X-M063R-S06-MC	FHV7Y-M063R-S06-MC
FHV7X-M063R-S06-R	FHV7Y-M063R-S06-R
FHV7X-M063R-S06-W	FHV7Y-M063R-S06-W
FHV7X-M063R-S09	FHV7Y-M063R-S09
FHV7X-M063R-S09-IR	FHV7Y-M063R-S09-IR
FHV7X-M063R-S09-MC	FHV7Y-M063R-S09-MC
FHV7X-M063R-S09-R	FHV7Y-M063R-S09-R
FHV7X-M063R-S09-W	FHV7Y-M063R-S09-W
FHV7X-M063R-S12	FHV7Y-M063R-S12
FHV7X-M063R-S12-IR	FHV7Y-M063R-S12-IR
FHV7X-M063R-S12-MC	FHV7Y-M063R-S12-MC
FHV7X-M063R-S12-R	FHV7Y-M063R-S12-R
FHV7X-M063R-S12-W	FHV7Y-M063R-S12-W
FHV7X-M063R-S16	FHV7Y-M063R-S16
FHV7X-M063R-S16-IR	FHV7Y-M063R-S16-IR
FHV7X-M063R-S16-MC	FHV7Y-M063R-S16-MC
FHV7X-M063R-S16-R	FHV7Y-M063R-S16-R
FHV7X-M063R-S16-W	FHV7Y-M063R-S16-W
FHV7X-M063R-S25	FHV7Y-M063R-S25
FHV7X-M063R-S25-IR	FHV7Y-M063R-S25-IR
FHV7X-M063R-S25-MC	FHV7Y-M063R-S25-MC
FHV7X-M063R-S25-R	FHV7Y-M063R-S25-R
FHV7X-M063R-S25-W	FHV7Y-M063R-S25-W
FHV7X-M120R-C	FHV7Y-M120R-C

[Body color]

Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
No change	
	

[Dimensions]

Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
No change	

[Wire connection]

Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
No change	

[Mounting dimensions]

Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
No change	

[Characteristics]

Item			Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
Main Functions				
	Operati on Mode	Standard	Yes	
		Double Speed Multi-input	Yes	
		Non-stop adjustment mode	Yes	
	Parallel Processing		Yes	
	Possible Number of Captured Images		FHV7□-□004: 256 FHV7□-□016: 64 FHV7□-□032: 36 FHV7□-□050: 25 FHV7□-□063R: 19 FHV7□-□120R: 10	
	Possible Number of Logging Images to Sensor Controller		FHV7□-□004: 645 FHV7□-□016: 161 FHV7□-□032: 79 FHV7□-□050: 50 FHV7□-□063R: 39 FHV7□-□120R: 19	
	Possible Number of Scenes		128 (*1)	
	Operating on UI		Remote Operation Tool	
	Setup		Create the processing flow using Flow editing.	
	Language		Japanese, English, Simplified Chinese, Traditional Chinese, Korean, Ger- man, French, Spanish, Italian, Vietnamese, Polish	
Imaging				
	CMOS Image elements		FHV7□-□004: 1/2.9-inch equivalent FHV7□-□016: 1/2.9-inch equivalent FHV7□-□032: 1/1.8-inch equivalent FHV7□-□050: 2/3-inch equivalent FHV7□-□063R: 1/1.8-inch equivalent FHV7□-□120R: 1/1.7-inch equivalent	
	Color/Monochrome		FHV7□-M□□□□: Monochrome FHV7□-C□□□□: Color	
	Effective pixels (HxV)		FHV7□-□004: 720 x 540 FHV7□-□016: 1440 x 1080 FHV7□-□032: 2048 x 1536 FHV7□-□050: 2448 x 2048 FHV7□-□063R: 3072 x 2048 FHV7□-□120R: 4000 x 3000	
	Pixel size		FHV7□-□004: 6.9 x 6.9um FHV7□-□016: 3.45 x 3.45um FHV7□-□032: 3.45 x 3.45um FHV7□-□050: 3.45 x 3.45um FHV7□-□063R: 2.4 x 2.4um FHV7□-□120R: 1.85 x 1.85um	

Item		Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
	Imaging area H×V (opposing corner)	FHV7□-□004: 5.0 x 3.8mm (6.3mm) FHV7□-□016: 5.0 x 3.8mm (6.3mm) FHV7□-□032: 7.1 x 5.3mm (8.9mm) FHV7□-□050: 8.5 x 7.1mm (11.1mm) FHV7□-□063R: 7.4 x 5.0mm (8.9mm) FHV7□-□120R: 7.4 x 5.6mm (9.3mm)	
	Shutter system	FHV7□-□004: Global Shutter FHV7□-□016: Global Shutter FHV7□-□032: Global Shutter FHV7□-□050: Global Shutter FHV7□-□063R: Rolling shutter (Global reset mode compatible) FHV7□-□120R: Rolling shutter (Global reset mode compatible)	
	Shutter function	FHV7□-□004: Electronic shutter: Shutter speed can be set from 1 μs to 100 ms. FHV7□-□016: Electronic shutter: Shutter speed can be set from 1 μs to 100 ms. FHV7□-□032: Electronic shutter: Shutter speed can be set from 1 μs to 100 ms. FHV7□-□050: Electronic shutter: Shutter speed can be set from 1 μs to 100 ms. FHV7□-□063R: Electronic shutter: Shutter speed can be set from 55 μs to 100 ms. FHV7□-□120R: Electronic shutter: Shutter speed can be set from 84 μs to 100 ms.	
	Partial function	FHV7□-□004: 4 to 540 lines (4-line increments) FHV7□-□016: 4 to 1080 lines (4-line increments) FHV7□-□032: 4 to 1536 lines (4-line increments) FHV7□-□050: 4 to 2048 lines (4-line increments) FHV7□-□063R: 4 to 2048 lines (4-line increments) FHV7□-□120R: 4 to 3000 lines (4-line increments)	
	Frame rate (image acquisition time)	FHV7□-□004: 430fps (2.3ms) FHV7□-□016: 224fps (4.5ms) FHV7□-□032: 55fps (18.0ms) FHV7□-□050: 35fps (28.0ms) FHV7□-□063R: 59fps (16.7ms) FHV7□-□120R: 19fps (25.0ms)	
	Lens mounting	C mount	
	Field of view, Installation distance	Selecting a lens according to the field of view and installation distance	
External Interface			
	Serial Communication		RS-232C × 1
	Ethernet Communi- cation	Protocol	Non-procedure (TCP/UDP)
		I/F	1000BASE-T × 1
	EtherNet/IP Communication		Yes (Target/Ethernet port)
	PROFINET Communication		Yes (Slave/Ethernet port) Conformance class A
	EtherCAT Communication		Yes (Slave) (Smart Camera Data Unit FHV-SDU30 only supports.)
	Parallel I/O		NPN/PNP common
	Parallel I/F		High-speed input: 1 General input: 3 High-speed output: 1 General output: 4
	Encoder Interface		Yes (Smart Camera Data Unit FHV-SDU10 only supports.)

Item		Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
	Monitor Interface	N/A	
	USB I/F	N/A	
	SD Card I/F	microSD card: SDHC×1	
Indicator Lamps			
	Main	PWR: Green, RUN: Green, LINK: Yellow, BUSY: Green, OR: Yellow, ERR: Red	
	SD Card	SD ACCESS: Yellow	
Supply Voltage		21.6 VDC to 26.4 VDC (When an I/O cable with 20 m is connected, it is 24.0 VDC to 26.4 VDC.)	
Current consumption		· With lighting modules: 4.2 A or less · Without lighting modules: With lighting or lighting controllers: 2.1 A or less With lighting or lighting controllers: 0.6 A or less	
Built-in FAN		N/A	
Usage Environment			
	Ambient temperature range		Operating: 0 to +40°C, Storage: -25 to +65°C (with no icing or condensation)
	Ambient humidity range		Operating & Storage: 35 to 85% (With no condensation)
	Ambient atmosphere		No corrosive gases
	Vibration tolerance		Oscillation frequency: 10 to 150Hz, Half amplitude: 0.35 mm, Vibration direction: X/Y/Z, Sweep time: 8 minute/count, Sweep count: 10 With standard lens modules, FHV-LEM-S: Half amplitude: 0.15 mm (Others are the same as above.)
	Shock resistance		Impact force: 150 m/s2, Test direction: 6 directions, three times each (up/down, front/behind, left/right)
	Noise immunity	Fast Transient Burst	· DC power Direct infusion: 2kV, Pulse rising: 5 ns, Pulse width: 50 ns, Burst continuation time: 15 ms/0.75 ms, Period: 300 ms, Application time: 1 min. · I/O line Coupling clamp: 1kV, Pulse rising: 5 ns, Pulse width: 50 ns, Burst continuation time: 15 ms/0.75 ms, Period: 300 ms, Application time: 1 min.
	Grounding		Class D grounding (100 Ω or less grounding resistance) * Existing the third class grounding
External Features			
	Dimensions	110 mm × 68.5 mm × 55.5 mm (HxWxD)	
	Weight	Approx. 670 g	
	Degree of protection	With lighting modules or waterproof hoods: IEC60529 - IP67 (except a connector cap removed) Other than the above: IEC60529 - IP40	
	Case material	Aluminum die-casting (ADC12)	
Accessories		· Connector cap for Ethernet cable (mounted on the body): 1 · Connector cap for an external lighting (mounted on the body): 1 · C mount cap (mounted on the body): 1 · C mount cover (mounted on the body): 1 · Instruction sheet: 1 · Membership registration: 1 · General Compliance Information and Instructions for EU: 1	

(*1). The number of scenes can be increased up to 1,024 with the Conversion scene group data tool.

[Operation ratings / Operation methods]

Product discontinuation FHV7X Series	Recommendable replacement FHV7Y Series
No major changes. For details on how to operate, please refer to the following manual. •Smart Camera Setup Manual (Z408) •Vision System User's Manual (Z365) •Vision System User's Manual (Communications Settings) (Z342) •Vision System Processing Item Function Reference Manual (Z341) •Vision System Operation Manual (Sysmac Studio) (Z343)	

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.
The information on the recommended substitute products from other companies is what our company is aware of as of the issuance of this notice. Regarding the end of production timing for the recommended alternative product, the possibility of continuing supply, the specifications, compatibility, and others, as well as other details, please inquire with your business partner and make your own decision at your company on whether to adopt the recommended alternative product.