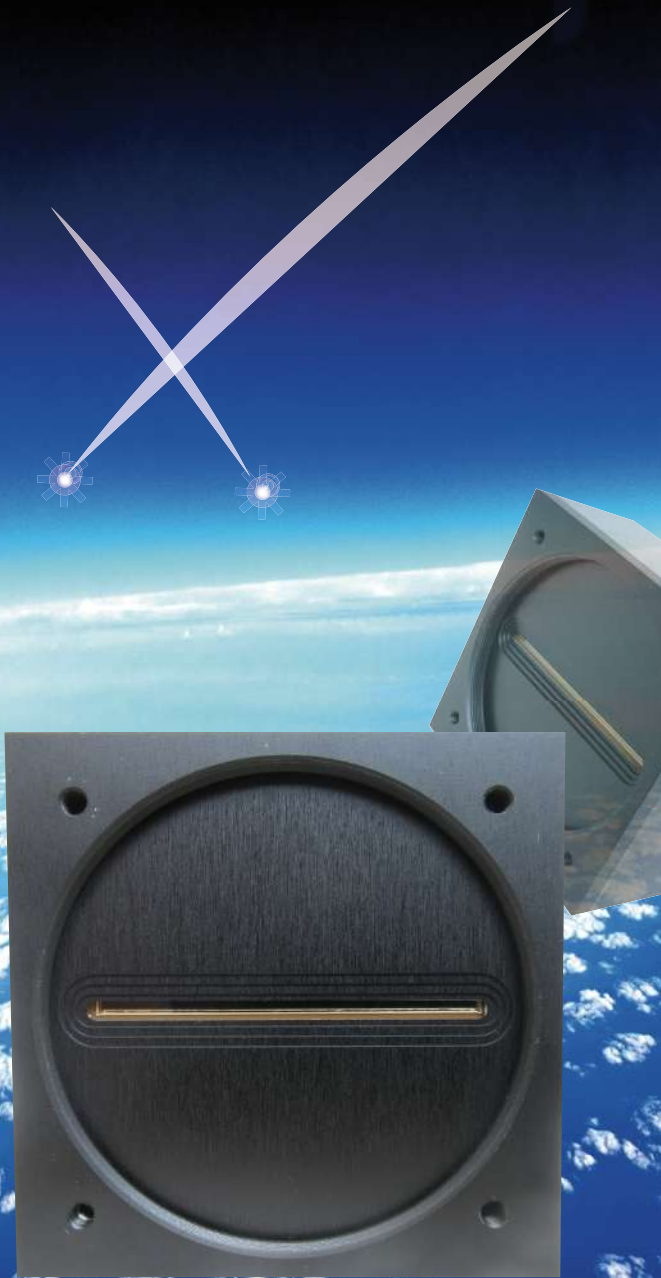


8192/4096 Pixels Monochrome CoaXPress Line Scan Camera White-eye Series



8192 Pixels

FXS800A-X7

4096 Pixels

FXS400A-XF

8192 Pixels

FXD800A-X7

4096 Pixels

FXD400A-XF

White-eye series FX is a high-resolution monochrome line scan camera equipped with a CMOS sensor with $7\ \mu\text{m} \times 7\ \mu\text{m}$ pixel size, max 8192 resolutions, and max 640MHz data rate. This camera has a CoaxPress interface and can output data with 8, 10, or 12 bit data format. Having antiblooming, exposure control, and other functions, this camera can be used for various applications.

Key Features

- Max 8192 resolution and max 640MHz sampling rate
- CoaxPress interface(CXP-6 : 2x6.25Gbps)
- GenICam 2.1 and SFNC2.3 compliant for camera control
- Antiblooming and exposure control functions
- Dust proof design of housing
- Single power supply (PowerOverCoaxPress : 24V)

CE compliant



CoaXPress

CoaxPress line scan camera with CMOS image sensor

Suitable for high speed, long distance transmission

Data output: CXP-6, CXP-5, CXP-3

Performance Specifications of White-eye series FX^(*)

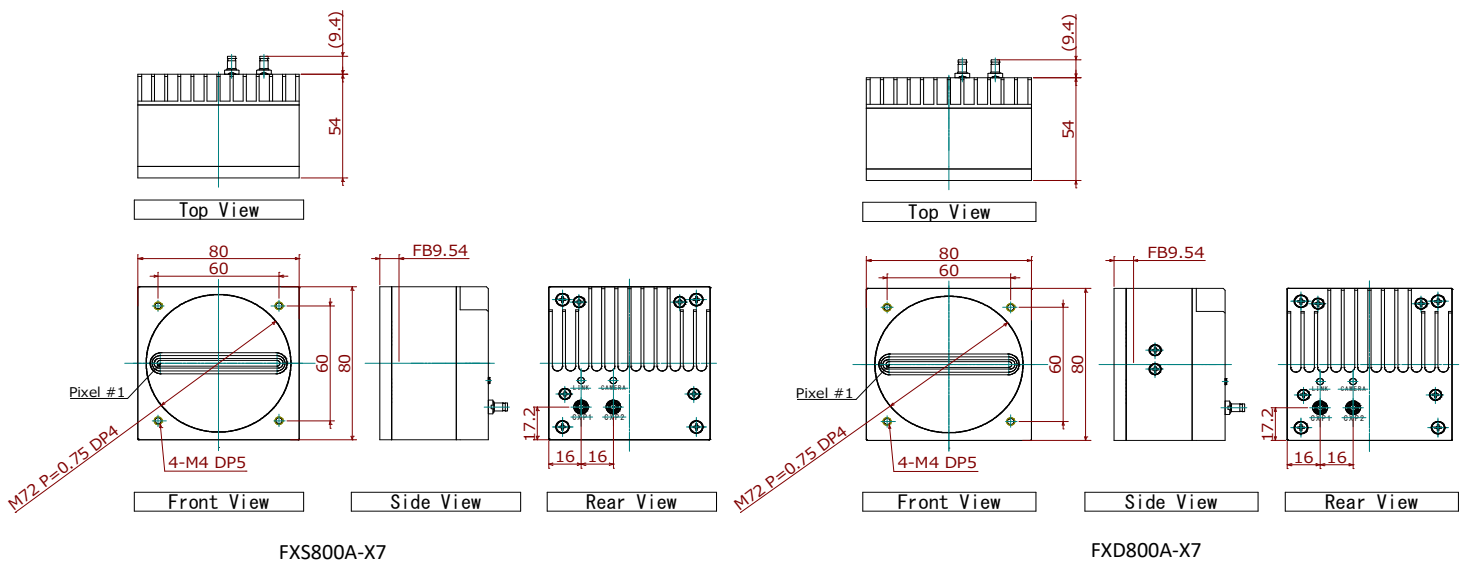
Physical Characteristics	Units	FXS800A-X7	FXS400A-XF	FXD800A-X7	FXD400A-XF
Sensor type	pixel	Single line CMOS sensor		Dual line CMOS sensor	
Resolution	pixel	8192	4096	8192	4096
Aperture	mm	57.34	28.67	57.34	28.67
Pixel size	μm	7.0×7.0		7.0×14.0	
Sensor alignment	mm	ΔX=±0.4, ΔY=±0.4, Δθ=±0.4			
Lens mount	-	M72 (P=0.75)	Nikon-F	M72 (P=0.75)	Nikon-F
Flange back	mm	9.54			
Size (excluding lens and connectors)	mm	80×80×54 (W×H×D)			
Weight (excluding lens)	g	500			
Data output format	-	CXP-6 : 2×6.25Gbps 1×6.25Gbps CXP-5 : 2×5.0Gbps 1×5.0Gbps CXP-3 : 2×3.125Gbps 1×3.125Gbps		CXP-6 : 2×6.25Gbps CXP-5 : 2×5.0Gbps CXP-3 : 2×3.125Gbps	
Data output connector	-	DIN 1.0/2.3 Connector DCJ-LR (Kanare)			
Anti-vibration	m/s ²	9.8 (*3)			
Operation Range	Unit	FXS800A-X7	FXS400A-XF	FXD800A-X7	FXD400A-XF
Output data rate	MHz	Max : 640			
Line rate	kHz	Min : 0.3 Max : 72.4			
Analog gain range	dB	Min : 0 Max : 21.6			
Data format	bit	8 / 10 / 12			
Operating temperature	deg C	Min : 0 Max : 50			
Power supply	DC V	Min : 18.5 Max : 26 (Typ : 24V)			
Electrical Specification (*2)	Unit	FXS800A-X7	FXS400A-XF	FXD800A-X7	FXD400A-XF
Responsibility @0dB Gain	DN/nJ/cm ²	Typ : 75		Typ : 112	
Dynamic range @0dB Gain	Ratio	Typ: 1000 : 1		Typ: 1000 : 1	
Random noise @0dB Gain	DNrms	Typ : 4		Typ : 6	
Pixel nonuniformity (PRNU ON) @0dB Gain	DN	Typ : 7		Typ : 7	
Anti-blooming output saturation voltage	-	Typ : x10		Typ : x10	
Consumption current Vin @24V	mA	Typ : 380 Max : 500		Typ : 550 Max : 600	
Power consumption @24V	W	Typ : 9.1 Max : 12		Typ : 13.2 Max : 14.4	

*1. This information is subject to change without notice.

*2. All ND and Ratio values are measured on 12bit gray scale.

*3. Measuring environment of vibration test (Excitation acceleration : 9.8m/s² Excitation frequency : 5Hz - 200Hz Test time : 120 min. each in X, Y, Z direction)

Dimensional Outline Drawings



In order to bring the best use of your camera, please read the user's manual carefully before operation.



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