

CoaXpress Cameras



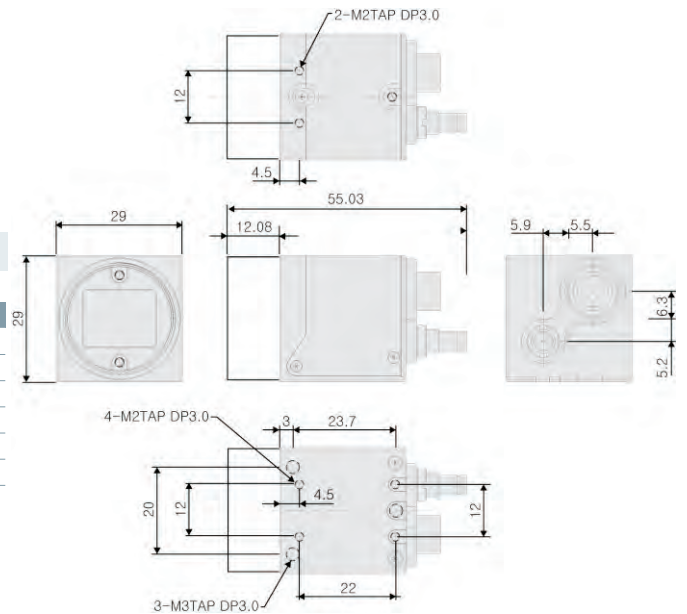
Pregius **STARVIS**



Key Features

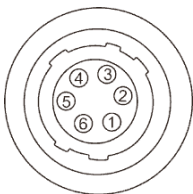
Mini-size CMOS CoaXpress camera
 Camera standard
 - GenICam, CoaXpress
 Trigger input range : +3.3V~24V(Photo coupler)
 PoCXP 지원

Dimension (Unit : mm)



Pin map

Pin No.	Name	IN/OUT	Description
1	PWR	IN	10.8V~26.4V input Range
2	Trigger	IN	Opto-Isolated input, Trigger input
3	GND	IN	Strobe GND
4	Strobe	OUT	Opto-Isolated output, Strobe output
5	GND	IN	Trigger GND
6	GND	IN	Power GND



back Panel



No.	Name	Remark
1	CoaXpress Connector	DIN
2	Power & I/O Connector	6Pin Circular
3	LED Indicator	LED

LED Indicator

State	Indication
No power	Off
System booting	Solid orange
Powered, but nothing connected	Slow pulse red
no data being transferred	Solid green
Waiting for event	Slow pulse orange
Data being transferred	Fast flash green

Model	MX-A040M-523	MX-A040K-523
Sensor	Sony CMOS Pregius IMX287	
Sensor size	1/2.9"	
Pixel size (μm)	6.9 x 6.9	
Resolution	720 x 540	
Frame Rate (Max.)	523fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI(Horizontal+Vertical) / Reverse(X,Y,All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	33dB	36dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 2.5W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1:2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A160M-276	MX-A160K-276
Sensor	Sony CMOS Pregius IMX273	
Sensor size	1/2.9"	
Pixel size (μm)	3.45 x 3.45	
Resolution	1440 x 1080	
Frame Rate (Max.)	276fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All) / Binning (Only mono models)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	34dB	35dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 2.6W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A320M-184	MX-A320K-184
Sensor	Sony CMOS Pregius IMX252	
Sensor size	1/1.8"	
Pixel size (μm)	3.45 x 3.45	
Resolution	2064 x 1544	
Frame Rate (Max.)	184fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All) / Binning (Only mono models)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	40dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 3.1W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A500M-116	MX-A500K-116
Sensor	Sony CMOS Pregius IMX250	
Sensor size	2/3"	
Pixel size (μm)	3.45 x 3.45	
Resolution	2464 x 2056	
Frame Rate (Max.)	116fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All) / Binning (Only mono models)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	40dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 3.1W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A890M-66	MX-A890K-66
Sensor	Sony CMOS Pregius IMX255	
Sensor size	1"	
Pixel size (μm)	3.45 x 3.45	
Resolution	4096 x 2176	
Frame Rate (Max.)	66fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All) / Binning (Only mono models)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	41dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 3.5W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A121M-23	MX-A121K-23
Sensor	Sony CMOS Pregius IMX304	
Sensor size	1.1"	
Pixel size (μm)	3.45 x 3.45	
Resolution	4096 x 3000	
Frame Rate (Max.)	23fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	41dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 2.6W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A121M-48	MX-A121K-48
Sensor	Sony CMOS Pregius IMX253	
Sensor size	1.1"	
Pixel size (μm)	3.45 x 3.45	
Resolution	4096 x 3000	
Frame Rate (Max.)	48fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Decimation (Horizontal + Vertical) / Reverse (X, Y, All) / Binning (Only mono models)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 0dB ~ 24dB (1x ~ 15.8x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	40dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 3.5W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A121R-43	MX-A121L-43
Sensor	Sony CMOS Starvis IMX226	
Sensor size	1/1.7"	
Pixel size (μm)	1.85 x 1.85	
Resolution	4016 x 3036	
Frame Rate (Max.)	43fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Reverse (X, Y, All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Rolling / Global Reset	
Shutter speed	450.00us ~ 3sec	
Gain	Analog : 0dB~27dB (1x ~ 22.5x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	39dB	44dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 2.6W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1:2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	MX-A201R-26	MX-A201L-26
Sensor	Sony CMOS Starvis IMX183	
Sensor size	1"	
Pixel size (μm)	2.4 x 2.4	
Resolution	5488 x 3672	
Frame Rate (Max.)	26fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI / Reverse (X, Y, All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Rolling / Global Reset	
Shutter speed	806.00us ~ 3sec	
Gain	Analog : 0dB~27dB (1x ~ 22.5x) Digital : 0dB ~ 18dB (1x ~ 8x)	
Black level	Analog : 0 ~ 1023 (10bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Gamma Correction, Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono8/10	Mono8/10, Bayer8/10
SNR	38dB	41dB
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Shading Correction(FFC), Color Transformation Control, Noise Reduction Filter	
Lens mount	C mount	
Power requirements	DC 12V ~ 24V \pm 10% or PoCXP	
Consumption	DC	< 2.9W
	PoCXP	
Weight	< 49g	
Dimension	29 x 29 x 29 mm (without mount)	
Temperature	0°C ~ 40°C (Operating) / -5°C ~ 45°C (Storage)-(with <20~80% RH)	
Vibration / Shock	98m/s ² (10G) / 196m/s ² (20.0G)	
Standard compliancy	CE (EN61326-1:2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

CoaXPress Cameras



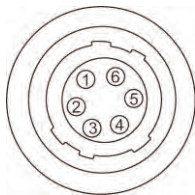
Key Features

High Resolution CMOS CoaXPress Camera(47MP)
 Higher frame rates with AOI
 FFC(Flat Field Correction) Function 지원
 PoCXP 지원

Pin map

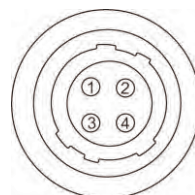
Power & I/O Connector Pin Assign

Pin No.	Name	IN/OUT	Description
1	PWR	IN	10.8V~25.2V input Range
2	PWR	IN	10.8V~25.2V input Range
3	GPIO1	IN/OUT	General purpose I/O (GPIO) line
4	GPIO2	IN/OUT	General purpose I/O (GPIO) line
5	GND	IN	Power GND
6	GND	IN	Power GND

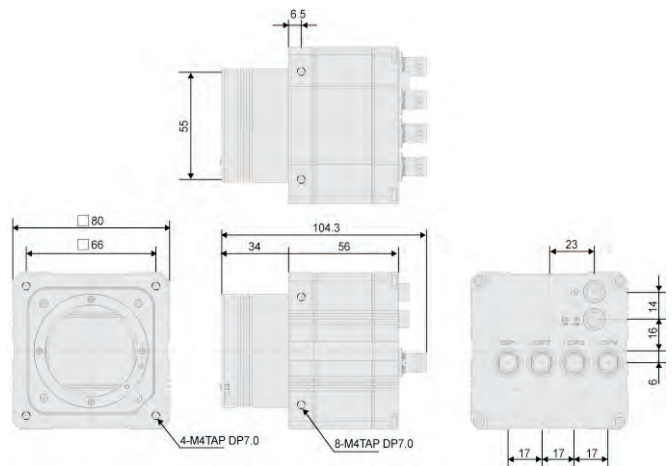


I/O Connector Pin Assign

Pin No.	Name	IN/OUT	Description
1	GPI_ISO+	IN	Opto-Isolated input, Trigger input
2	GPI_ISO-	IN	Trigger GND
3	GPO_ISO+	OUT	Opto-Isolated Output, Strobe Output
4	GPO_ISO-	OUT	Strobe GND



Dimension (Unit : mm)



LED Indicator

State	Indication
No power	Off
System booting	Solid orange
Powered, but nothing connected	Slow pulse red
Connection detection in progress, PoCXP active	Fast flash alternate green / orange
Connection detection in progress, PoCXP not in use	Fast flash orange
Device / Host connected, but no data being transferred	Solid green
Device / Host connected, waiting for event	Slow pulse orange
Performing Function	Solid red

Model	HX-C471M	HX-C471K
Sensor	CMV 50000	
Sensor size	35 mm	
Pixel size (μm)	4.6 x 4.6	
Resolution	7920 x 6004	
Pixel clock	69MHz	
Frame Rate (Max.)	30fps	
Color / Mono	Mono Crome	Color
Exposure Time	Min. 100us	
Scanning system	Progressive	
Scanning method	Full / ROI / Reverse(X)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Gain	Digital : 1x ~ 4x	
Black level	Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Adjustable LUT (12bit to 12bit)	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaXpress	
Pixel Data Format	Mono Model : Mono8/10/12	
Minimum illumination	1.0 lx, F1.4, Gain MAX, without IR cut filter	
SNR	36dB	
Function control	GainAuto, ExposureAuto, Acquisition Frame Rate(Adjustable)	
Lens mount	F mount	
Power requirements	12~24VDC \pm 10% or PoCXP	
Consumption	< 12.0W at 24Vdc \pm 10%	
Weight	< 579g (With F-Mount)	
Dimension	80 x 80 x 56 mm (Without mount, Connector)	
Temperature	0 $^{\circ}$ C ~ 40 $^{\circ}$ C (Operating) / -10 $^{\circ}$ C ~ 50 $^{\circ}$ C (with < 20~80% RH) (Storage)	
Vibration / Shock	98m/s ² (10G) / 490m/s ² (50.0G)	
Standard compliancy	CE (EN61326-1:2006년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

CoaXPress 2.0 Cameras

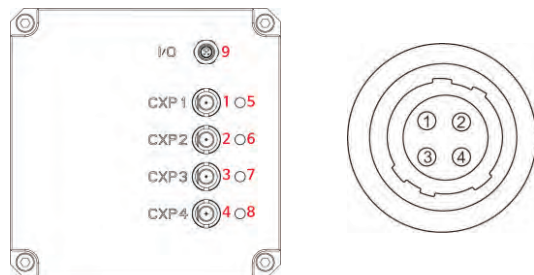


Key Features

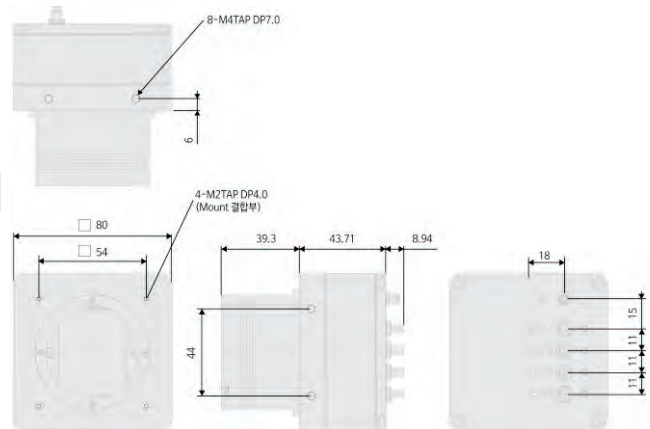
High resolution CMOS CoaXPress2.0 Camera (25/36/67M)
 Supporting FFC
 Supporting PoCXP
 12.5Gbps x 4ch
 Max Cable Length : 30meter @ CXP12

Back Panel

Pin No.	Name	Description
1	CoaxPress Connector 1	MicroBNC Type
2	CoaxPress Connector 2	MicroBNC Type
3	CoaxPress Connector 3	MicroBNC Type
4	CoaxPress Connector 4	MicroBNC Type
5	LED Indicator 1	LED
6	LED Indicator 2	LED
7	LED Indicator 3	LED
8	LED Indicator 4	LED
9	I/O Connector	4 Pin Circular Connector



Dimension (Unit : mm)



LED Indicator

State	Indication
No power	Off
System booting	Solid orange
Powered, but nothing connected	Slow pulse red
Connection detection in progress, PoCXP active	Fast flash alternate green / orange
Connection detection in progress, PoCXP not in use	Fast flash orange
Device / Host connected, but no data being transferred	Solid green
Device / Host connected, waiting for event	Slow pulse orange

4 pin Circular Connector

Pin No.	Name	IN/OUT	Description
1	GND	IN	Direct IO GND
2	GPIO1	IN/OUT	LINE2 (Direct IO, 3.3V)
3	GND	IN	Direct IO GND
4	GPIO2	IN/OUT	LINE3 (Direct IO, 3.3V)

Model	HX-F251M-150	HX-F251K-150
Sensor	GMAX0505 25M	
Sensor size	1.1"	
Pixel size (μm)	2.5 x 2.5	
Resolution	5120 x 5120	
Pixel Clock	96MHz	
Frame Rate (Max.)	150fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI(Horizontal+Vertical) / Reverse(X), Decimation(Y)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Digital : 1x ~ 4x	
Black level	Analog : 0 ~ 255 (8bit) / Digital : 0 ~ 1023 (10bit)	
Gamma / LUT	Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaxPress Standard	
Pixel Data Format	Mono8	Bayer8
SNR	36dB	
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Defective Pixel Correction, Shading Correction(FFC), Noise Reduction Filter	
Lens mount	C mount	
Video I/F	CoaXPress / Micro-BNC	
Power requirements	PoCXP (Two PoCXP cables required)	
Consumption	PoCXP	
Weight	< 450g	
Dimension	80 x 80 x 50.56 mm (without connector)	
Temperature	0°C ~ 35°C (Operating) / -20°C ~ 60°C (with < 20~80% RH) (Storage)	
Vibration / Shock	98m/s ² (10G) / 490m/s ² (50.0G)	
Standard compliancy	CE (EN61326-1:2013년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	HX-E361M-43	HX-E361K-43
Sensor	EMERALD 36M	
Sensor size	4/3"	
Pixel size (μm)	2.5 x 2.5	
Resolution	6144 x 6144	
Pixel Clock	75.4MHz	
Frame Rate (Max.)	43fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI(Horizontal+Vertical) / Reverse(X,Y,All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 1x ~ 3.99x Digital : 1x ~ 4x	
Black level	Digital : 0 ~ 1024 (10bit)	
Gamma / LUT	Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaxPress Standard	
Pixel Data Format	Mono8/10	Bayer8/10, RGB8
SNR	37dB	
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Defective Pixel Correction, Shading Correction(FFC), Noise Reduction Filter	
Lens mount	F mount	
Video I/F	CoaxPress / Micro-BNC	
Power requirements	PoCXP (Two PoCXP cables required)	
Consumption	PoCXP	
Weight	< 461g	
Dimension	80 x 80 x 44.14 mm (without connector)	
Temperature	0℃ ~ 45℃ (Operating) / -20℃ ~ 60℃ (with < 20~80% RH) (Storage)	
Vibration / Shock	98m/s ² (10G) / 490m/s ² (50.0G)	
Standard compliancy	CE (EN61326-1;2013년); Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	

Model	HX-E671M-65	HX-E671K-65
Sensor	EMERALD 67M	
Sensor size	APS-C	
Pixel size (μm)	2.5 x 2.5	
Resolution	8192 x 8192	
Pixel Clock	75.4MHz	
Frame Rate (Max.)	65fps	
Color / Mono	Mono Chrome	Color
Scanning method	Full / ROI(Horizontal+Vertical) / Reverse(X,Y,All)	
Synchronization	Internal(Freerun), External(CXP or Circular), Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter	Global	
Shutter speed	1us ~ 3sec (Exposure Offset 별도)	
Gain	Analog : 1x ~ 3.99x Digital : 1x ~ 4x	
Black level	Digital : 0 ~ 1024 (10bit)	
Gamma / LUT	Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous	
Auto gain / exposure	Off / Once / Continuous	
Interface	CoaxPress Standard	
Pixel Data Format	Mono8/10	Bayer8/10, RGB8
SNR	36dB	
Function control	GainAuto, ExposureAuto, BalanceWhiteAuto, Acquisition Frame Rate(Adjustable), Defective Pixel Correction, Shading Correction(FFC), Noise Reduction Filter	
Lens mount	F mount	
Video I/F	CoaXPress / Micro-BNC	
Power requirements	PoCXP (Two PoCXP cables required)	
Consumption	PoCXP	
Weight	< 461g	
Dimension	80 x 80 x 44.14 mm (without connector)	
Temperature	0°C ~ 45°C (Operating) / -20°C ~ 60°C (with < 20~80% RH) (Storage)	
Vibration / Shock	98m/s ² (10G) / 490m/s ² (50.0G)	
Standard compliancy	CE (EN61326-1:2013년; Class A)	
Conformity	RoHS, WEEE	
Warranty	3 years	