



## COGNEX INDUSTRIAL CAMERAS (CIC)


### Standard CIC Series

The Standard CIC Series is a collection of industrial cameras designed for high-precision, high-speed image acquisition in automation systems and various manufacturing and quality control applications.


GigE Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono / Color	Shutter Type	Frame Rate	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	GigE	Area Scan	CIC-A013-MG-92-G	Smartsens SC130GS	1.3MP	Mono	Global Shutter	92 fps	C-mount	1/2.7 in	10 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A013-CG-92-G	Smartsens SC130GS	1.3MP	Color	Global Shutter	92 fps	C-mount	1/2.7 in	10 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A02-MG-60-G	IMX430	2MP	Mono	Global Shutter	60 fps	C-mount	1/1.7 in	10 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A02-CG-60-G	IMX430	2MP	Color	Global Shutter	60 fps	C-mount	1/1.7 in	10 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A05-CG-24-G	IMX264	5MP	Color	Global Shutter	24 fps	C-mount	2/3 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CAM-CIC-5000-20G-1	IMX264	5MP	Mono	Global Shutter	24 fps	C-mount	2/3 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CAM-CIC-6MR-18G-1	IMX178	6MP	Mono	Rolling Shutter	18 fps	C-mount	1/1.8 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A06-CR-18-G	IMX178	6MP	Color	Rolling Shutter	18 fps	C-mount	1/1.8"	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CAM-CIC-10MR-10-G	Aptina MT9J003	10MP	Mono	Rolling Shutter	10 fps	C-mount	1/2.3 in	12 bits	PoE or 12–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CAM-CIC-12MR-8G-1	IMX226	12MP	Mono	Rolling Shutter	8 fps	C-mount	1/1.7 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A12-CR-8-G	IMX226	12MP	Color	Rolling Shutter	8 fps	C-mount	1/1.7 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A12-MG-9-G	IMX304	12MP	Mono	Global Shutter	9 fps	C-mount	1.1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A12-CG-9-G	IMX304	12MP	Color	Global Shutter	9 fps	C-mount	1.1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A20-MR-6-G	IMX183	20MP	Mono	Rolling Shutter	5.8 fps	C-mount	1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A20-CR-6-G	IMX183	20MP	Color	Rolling Shutter	5.8 fps	C-mount	1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A25-MG-4-G	GMAX0505	25MP	Mono	Global Shutter	4 fps	C-mount	1.1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CIC-A25-CG-4-G	GMAX0505	25MP	Color	Global Shutter	4 fps	C-mount	1.1 in	12 bits	PoE or 9–24 VDC	Hirose 6-pin Female	Cat 6 ethernet, RJ45
			CAM-CIC-3100-3-G-1	IMX342	31MP	Mono	Global Shutter	3 fps	M58 x 0.75 *	APS-C	12 bits	24 VDC	Hirose 12-pin Female	Cat 6 ethernet, RJ45
		CAM-CIC-3100-3-GC1	IMX342	31MP	Color	Global Shutter	3 fps	M58 x 0.75 *	APS-C	12 bits	24 VDC	Hirose 12-pin Female	Cat 6 ethernet, RJ45	
		Line Scan	CAM-CIC-4KL-28-G-1	Gpixel GL0402	4Kx1	Mono	Global Shutter	28 kHz	M42 *	N/A	12 bits	12–24 VDC	Hirose 12-pin Female	Cat 6 ethernet, RJ45
CIC-L042-CG-28-G	GPixel GL0402		4kx2	Color	Global Shutter	28 kHz	M42 *	N/A	12 bits	12–24 VDC	Hirose 12-pin Female	Cat 6 ethernet, RJ45		

\* F-mount with adapter

5 GigE Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono / Color	Shutter Type	Frame Rate	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	5GigE	Area Scan	CIC-A023-MG-168-5G	IMX392	2.3MP	Mono	Global Shutter	168 FPS	C	1/2.3 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A023-CG-168-5G	IMX392	2.3MP	Color	Global Shutter	168 FPS	C	1/2.3 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A05-MG-105-5G	IMX547	5 MP	Mono	Global Shutter	105 FPS	C	1/1.8 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A05-CG-105-5G	IMX547	5 MP	Color	Global Shutter	105 FPS	C	1/1.8 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A12-MG-44-5G	IMX545	12.3MP	Mono	Global Shutter	44 FPS	C	1/1.1 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A12-CG-44-5G	IMX545	12.3MP	Color	Global Shutter	44 FPS	C	1/1.1 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A20-MG-27-5G	IMX541	20.2MP	Mono	Global Shutter	27 FPS	C	1.1 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A20-CG-27-5G	IMX541	20.2MP	Color	Global Shutter	27 FPS	C	1.1 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
			CIC-A25-MG-22-5G	IMX540	24.4MP	Mono	Global Shutter	22 FPS	C	1.2 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
		CIC-A25-CG-22-5G	IMX540	24.4MP	Color	Global Shutter	22 FPS	C	1.2 in	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45	
		Line Scan	CIC-L041-MG-84-5G	GL3504	4Kx1	Mono	Global Shutter	84kHz	C	N/A	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45
CIC-L041-CG-42-5G	GL3504	4Kx1	Color	Global Shutter	42kHz	C	N/A	8 bits/ 10 bits/ 12 bits	12-24 VDC	M8 6-pin Male	Cat 6 ethernet, RJ45			

CXP-12 Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono / Color	Shutter Mode	Speed	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	CXP-12	Area Scan	CIC-A12-MG-330-Y	CMV12000	12MP	Mono	Global Shutter	330 FPS	M58 x 0.75 (F-mount with adapter)	22.5 x 16.9 mm	12 bits	PoCXP or 24 VDC	Hirose 12-pin Female	CXP-12, HDBNC-HDBNC
			CIC-A12-CG-330-Y	CMV12000	12MP	Color	Global Shutter	330 FPS		22.5 x 16.9 mm	12 bits	PoCXP or 24 VDC		
			CIC-A21-MG-219-Y	GSPRINT4521	21MP	Mono	Global Shutter	219 FPS		23.0 x 18.4 mm	12 bits	PoCXP or 24 VDC		
			CIC-A21-CG-219-Y	GSPRINT4521	21MP	Color	Global Shutter	219 FPS		23.0 x 18.4 mm	12 bits	PoCXP or 24 VDC		
			CIC-A25-MG-150-Y	GMAX0505	25MP	Mono	Global Shutter	150 FPS		1.1 in	10 bits	PoCXP or 24 VDC		
			CIC-A25-CG-150-Y	GMAX0505	25MP	Color	Global Shutter	150 FPS		1.1 in	10 bits	PoCXP or 24 VDC		
			CIC-A65-MG-71-Y	GMAX3265	65MP	Mono	Global Shutter	71 FPS		29.9 x 22.4 mm	10 bits	PoCXP or 24 VDC		
			CIC-A65-CG-71-Y	GMAX3265	65MP	Color	Global Shutter	71 FPS		29.9 x 22.4 mm	10 bits	PoCXP or 24 VDC		
	CXP-6	Line Scan	CIC-L084-MG-200-X	GPixel GL7008	8Kx4	Mono	Global Shutter	200 KHZ	M72 x 0.75	NA	10 bits	PoCXP or 24 VDC	CXP-6, DIN-DIN	
			CIC-L162-MG-120-X	Gpixel GL3516	16Kx2	Mono	Global Shutter	120 KHZ		NA	10 bits	PoCXP or 24 VDC		

USB 3.0 Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono / Color	Shutter Mode	Speed	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	USB 3.0	Area Scan	CIC-A013-MG-201-U	SS	1.3MP	Mono	Global Shutter	201 FPS	C	1/2.7 in	10 bits	12V/ 2.8 W	Hirose 6-pin Female	USB 3.0 Micro-B Male
			CIC-A20-MR-20-U	IMX183	20MP	Mono	Rolling Shutter	20 FPS	C	1 in	12 bits	24V/ 3.2W		

Camera Link Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono / Color	Shutter Mode	Speed	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	Camera Link	Line Scan	CIC-L084-MG-100-C	GL7008	8Kx4	Mono	Global Shutter	100 kHz	M72 x 0.75	N/A	12 bits	12V-24 VDC	Hirose 12-pin Female	Camera Link SDR

### Lens Adapter to F-Mount

Product ID	Description
LNS-ADAPT-M42-F	Lens Mount Adaptor, M42 to F-Mount
LNS-ADAPT-M58-F	Lens Mount Adaptor, M58 to F-Mount

### Lens Adapter to Cognex ML-FF Series

Product ID	Description
ML-TUBE-M42	Lens Mount Adapter, to use Cognex ML-FF Series M42 lenses
ML-TUBE-M58	Lens Mount Adaptor, to use Cognex ML-FF Series M58 lenses
ML-TUBE-M72	Lens Mount Adaptor, to use Cognex ML-FF Series M72 lenses

## Standard Cables\*

### Hirose 6-pin I/O Cable (Female Connector)

Product ID	Description
COG-IO-CBL-6P-10M	I/O Cable for CIC cameras, 6-pin Hirose Connector to Flying Leads, 10m (32.8 ft)
COG-IO-CBL-6P-PLC	I/O Cable with Zener Diodes for PLC Connection for CIC Cameras, 6-pin Hirose to Flying Leads, 10m (32.8 ft)

### M8 6-pin I/O Cable (Male Connector)

Product ID	Description
CCB-PIO-M8-6M-05	Power IO cable for 5GigE CIC cameras, M8 6-pin male to flying leads, 5m (16.4 ft)
CCB-PIO-M8-6M-10	Power IO cable for 5GigE CIC cameras, M8 6-pin male to flying leads, 10m (32.8 ft)

### Hirose 12-pin I/O Cable (Female Connector)

Product ID	Description
CCB-IO-HR12F-5	Hirose 12pin IO cable, HR12 female, 5m (16.4 ft)
CCB-IO-HR12F-10F	Hirose 12pin IO cable, HR12 female, high flex, 10m (32.8 ft)


### Ethernet Cable

Product ID	Description
CGE-CBL-FLEX-H-5M	GigE, CAT6, 5m (16.4 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector
CGE-CBL-FLEX-H-10M	GigE, CAT6, 10m (32.8 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector
CGE-CBL-FLEX-H-20M	GigE, CAT6, 20m (65.6 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector

\* Cables listed below are for common standard applications; special applications require additional verifications

## Rugged CIC Series

The Rugged CIC Series is a collection of industrial cameras built to withstand harsh environments, including extreme temperatures, vibrations, and exposure to dust or moisture in demanding industrial applications.

GigE Cameras	Data Interface	Camera Type	Product ID	Sensor	Resolution	Mono/Color	Shutter Type	Speed	Lens Mount	Sensor Size	Pixel Bit Depth	Power Requirements	I/O Cable Connector	Network Cable Connector
	GigE	Area Scan	CAM-CIC-5-22C-IP67	IMX264	5MP	Color	Global Shutter	22 fps	C-mount	2/3 in	12 bits	PoE or 12-24 VDC	M8 GPIO 8-pin Male	Cat 6 ethernet, M12 X-Code Male
			CAM-CIC-5-22M-IP67	IMX264	5MP	Mono	Global Shutter	22 fps	C-mount	2/3 in	12 bits	PoE or 12-24 VDC	M8 GPIO 8-pin Male	Cat 6 ethernet, M12 X-Code Male
			CAM-CIC-12-9C-IP67	IMX304	12MP	Color	Global Shutter	9 fps	C-mount	1.1 in	12 bits	PoE or 12-24 VDC	M8 GPIO 8-pin Male	Cat 6 ethernet, M12 X-Code Male
			CAM-CIC-12-9M-IP67	IMX304	12MP	Mono	Global Shutter	9 fps	C-mount	1.1 in	12 bits	PoE or 12-24 VDC	M8 GPIO 8-pin Male	Cat 6 ethernet, M12 X-Code Male

## IP67 Accessories

### Lens Covers

Product ID	Description
LNS-CVR-40-IP67	Lens Tube, IP67, 40.5mm (1.59 in) Length, 41mm (0.161 in) Outer Diameter, 35.5mm (1.39 in) Inner Diameter, Compatible with IP67 CICs
LNS-CVR-50-IP67	Lens Tube, IP67, 50.5mm (1.99 in) Length, 41mm (1.61 in) Outer Diameter, 35.5mm (1.39 in) Inner Diameter, Compatible with IP67 CICs
LNS-CVR-66-IP67	Lens Tube, IP67, 66mm (2.59 in) Length, 68mm (2.67 in) Outer Diameter, 59mm (2.32 in) Inner Diameter, Compatible with IP67 CICs
LNS-CVR-92-IP67	Lens Tube, IP67, 92mm (3.62 in) Length, 68mm (2.67 in) Outer Diameter, 59mm (2.32 in) Inner Diameter, Compatible with IP67 CICs

### M8 GPIO 8-pin Cables (Male Connector)

Product ID	Description
CCB-M8IO-8-05	M8 GPIO 8-pin straight 5m (15.4 ft) cable, IP67
CCB-M8IO-8-15	M8 GPIO 8-pin straight 15m (49.2 ft) cable, IP67
CCB-M8IO-8-RA2-15	M8 GPIO 8-pin right angle up 15m (49.2 ft) cable, IP67

### M12 X-Code Ethernet Cables

Product ID	Description
CCB-84901-2001-05	Cognex X-Coded Ethernet cable, IP67, M12 to RJ45, 5m (15.4 ft)
CCB-84901-2001-15	Cognex X-Coded Ethernet cable, IP67, M12 to RJ45, 15m (49.2 ft)
CCB-84901-2001-30	Cognex X-Coded Ethernet cable, IP67, M12 to RJ45, 30m (99 ft)

# Frame Grabbers

## GigE Card

Product ID	Description	Dimensions	Operating Temperature	Storage	Input Voltage	Input from Power Connector (4-pin)*	PCI Express Type	Power Requirements	No. of Ports	PoE Output Voltage
CGE-GIE4-POE	Card with no software license, 4 port, PoE	156.7 x 104.37 x 1.6 mm	-10° to 55°C (14° to 131°F)	-40° to 70°C (-40° to 158°F)	PCI Slot	NA	PCIe2.1 x4	2.736W (min) to 6.6W (max)	4	The single-port PoE output power consumption is up to 30W
CFG-8734-000	Card with no software license	145 x 110 mm (5.7 x 4.3 in)	0° to 60°C (32° to 140°F) with air flow	-20° to 80°C (-4° to 176°F)	12 VDC	Max 6 A @ 12 VDC	PCI Express x4	Power from PCIe slot (max. 20W PoE power output) 2.1A @ +12V 1.2A @ +3.3V  Power from 4-pin Molex or 6-pin ATX power connector (max. 120W PoE power output) 10A @ +12V 1.2A @ +3.3V (from PCIe slot)		Max. 20W w/ PCIe slot Max. 120W w/ 4-pin Molex or 6-pin ATX power connector
CFG-8734-050	Card with VisionPro Base									
CFG-8734-100	Card with VisionPro Plus									
CFG-8734-200	Card with VisionPro Max									
CFG-8734-MC-200	Card with VisionPro Max, Multicam									
CFG-8734-CD-200	Card with VisionPro Max and Cognex Designer									
CFG-8734-CD-MC-200	Card with VisionPro Max and Cognex Designer, Multicam									
CFG-8734-CVL-200	Card with CVL Max									
CFG-8734-200-EL	Card with VisionPro Max with Edge Learning Tools									
CFG-8734-CD-200-EL	Card with VisionPro Max and Cognex Designer with Edge Learning Tools									

## 5GigE Frame Grabber

Cognex PID	CFG-NPC34-5G-4P	CFG-LPC34-5G-4
Interface Standard	5GBASE-T Ethernet	5GBASE-T Ethernet
Dimensions (WxH)	167.7 x 111.2 mm (6.6 x 4.37 in)	156.7 x 120.8 mm
Operating Temperature	0 to 55 °C (32 to 131 °F) with airflow	0 to 70 °C (32 to 158 °F)
Input from Power Connector (6-pin)	Up to 8.5 A@12V (102W)	N/A
Input from PCIe Slot	Up to 5.5 A@12V (66W)	4.44W (min) to 20.76W (max)
PCI Express Type	PCIe 3.0 x 4 Lanes	PCIe 3.0 x 4; Compatible x8 x16
Speed Supported	5G / 2.5G / 1G / 100M link speed	5G / 2.5G / 1G / 100M link speed
Port Connector	RJ45	RJ45
No. of Ports	4	4
PoE	Up to 25.5 W per port	Non-PoE
Cable Requirement	CAT-5e or CAT-6 cable	CAT-5, CAT-6, CAT-6e, CAT-7

## Recommended 5GigE Camera Cable Selections

Product ID	Description
CCB-PIO-M8-6M-05	Power IO cable for 5GigE CIC cameras, M8 6-pin male to flying leads, 5m (16.4 ft)
CCB-PIO-M8-6M-10	Power IO cable for 5GigE CIC cameras, M8 6-pin male to flying leads, 10m (32.8 ft)
CGE-CBL-FLEX-H-5M	GigE, CAT-6, 5m (16.4 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector
CGE-CBL-FLEX-H-10M	GigE, CAT-6, 10m (32.8 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector
CGE-CBL-FLEX-H-20M	GigE, CAT-6, 20m (65.6 ft), Hi-flex, RJ45 to RJ45, Horizontal Connector

## CXP-6 Frame Grabber

Cognex PID	CFG-CPC34-XD-4P
Interface Standard	CXP-6 (CXP 1.1/1.0)
Dimensions	167.5 x 68.9 x 21.6 mm (6.6 x 2.7 x 0.85 in)
Operating Temperature	0 to 50°C (32 to 122 °F)
Storage	-20 to 60°C (-4 to 140 °F)
Input from PCIe Slot	20W
Power-Over-CXP	Up to 13W/link (4 Links total 24W)
PCI Express Type	PCIe 3.0 x 8 Lanes
GenIcam Support	Yes
Connector Type	Din Connector
Connection Mode	1 to 4 CXP Links
No. of Ports	4
Max Speed Supported	25 Gbit/s (6.25 Gbit/s x 4)
Operation System	Windows 10/11/Server 2019(x64)

## Recommended CXP-6 Camera Cable Selections

Product ID	Description
CCB-CXP-DIN-5F-DIN	CXP-6 Cable, DIN-DIN, High Flex, 5m (16.4 ft)
CCB-IO-HR12F-5	I/O Cable, Hirose 12pin IO cable, HR12 female, 5 meters (16.4 ft)
CCB-IO-HR12F-10F	I/O Cable, Hirose 12pin IO cable, HR12 female, high flex, 10 meters (32.8 ft)

## CXP-12 Frame Grabbers

Product ID	CFG-CPC38-YHB-4P	CFG-BPC38-YHB-4P
When to Choose	Cognex Cameras	3rd-party Cameras
Interface Standard	CXP-12 (CXP 2.0/1.1/1.0)	CXP-12 (CXP 2.0)
Dimensions	168.6 x 68.9 x 21.6mm (553.1 x 226 x 70.9 ft)	174 x 106mm (570.8 x 347.8 ft)
Operating Temperature	0 to 50°C (32 to 122 °F)	0 to 50°C (32 to 122 °F)
Storage	-20 to 60°C (-4 to 140 °F)	-20 to 100°C (-4 to 212 °F)
Input from PCIe Slot	20W	Up to 15W
Power-Over-CXP	Up to 13W per link (4 Links total 24W)	Up to 13W per link (4 Links total) *
PCI Express Type	PCIe 3.0 x 8 Lanes	PCIe 3.0 x 8 Lanes
GenIcam Support	Yes	Yes
Connector Type	Micro BNC Connector	Micro BNC Connector
Connection mode	1 to 4 CXP Links	1 to 4 CXP Links
Number of Ports	4	4
Max Speed supported	50 Gbit/s (12.5 Gbit/s x 4)	50 Gbit/s (12.5 Gbit/s x 4)
Operation System	Windows 10/11/Server 2019 (x64)	Windows and Linux (32-bit and 64-bit)

\* If the total amount of all cameras connected to the board exceeds 15 Watts, the auxiliary power connector needs to be used to add an additional power supply to the board.

## Recommended CXP-12 Camera Cables

Product ID	Description
CCB-CXP-HB-5F-HB	CXP-12 Cable, HDBNC-HDBNC, high flex, 5m (16.4 ft)
CCB-IO-HR12F-5	I/O Cable, Hirose 12pin IO cable, HR12 female, 5m (16.4 ft)
CCB-IO-HR12F-10F	I/O Cable, Hirose 12pin IO cable, HR12 female, high flex, 10m (32.8 ft)

## Camera Link Frame Grabber

Product ID	CFG-CPC28-CSD-1P	CFG-BPC24-CSD-2P
When to Choose	Cognex Cameras	3rd-party Cameras
Interface Standard	Camera Link 2.0	Camera Link 2.0
Dimensions	151.6 x 126.3 x 21.6 mm (497.4 x 414.4 x 70.9 ft)	174 x 106 mm (570.9 x 347.8 ft)
Operating Temperature	0 to 50°C (32 to 122 °F)	0 to 50°C (32 to 122 °F)
Storage	-20 to 70°C (-4 to 158 °F)	-20 to 100°C (-4 to 212 °F)
Input from PCIe Slot	Up to 8W	Up to 15W
Power-Over-CL	Up to 4W per link (2 Links total 8W)	Up to 4W per link (4 Links total) **
PCI Express Type	PCIe 2.0 x 8 Lanes	PCIe 2.0 x 4 Lanes
GenIcam Support	Yes	Yes
Connector Type	SDR Camera Link Connector	SDR Camera Link Connector
Connection mode	Base /Medium/Full/80-bit	Base /Medium/Full/80-bit
No. of Ports	2	4
Max Speed supported	85MHz (80-bit) x 1	85MHz (80-bit) x 2
Operation System	Windows 7/8/10 x64	Windows and Linux (32-bit and 64-bit)

\*\* If the total amount of all cameras connected to the board exceeds 15 Watts, the auxiliary power connector needs to be used to add an additional power supply to the board.

## Recommended Camera Link Camera Cables

Product ID	Description
CCB-CL-SDR-5F-SDR	Camera Link cable, SDR-SDR, Power over Camera link, high flex, 5m (16.4 ft)
CCB-IO-HR12F-5	I/O Cable, Hirose 12pin IO cable, HR12 female, 5m (16.4 ft)
CCB-IO-HR12F-10F	I/O Cable, Hirose 12pin IO cable, HR12 female, high flex, 10m (32.8 ft)
CCB-IO-DB26M-5	Camera Link Frame Grabber I/O cable, DB26 male to fly leads, 5m (16.4 ft)