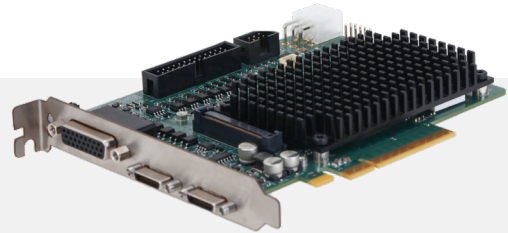


Cognex Industrial Frame Grabber

CFG-CPC28-CSD-1P

- Trusted Cognex® brand
- Designed for Cognex Vision Software
- CameraLink Protocol and GenICam Compatible

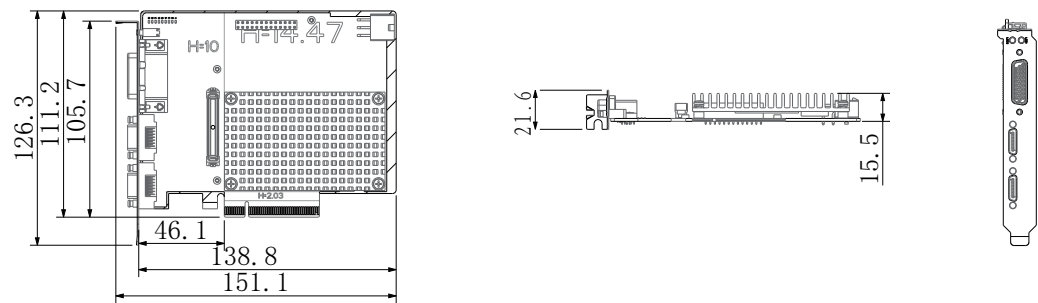


- 6.8Gbps CameraLink Interface
- 1GB on-board Frame Buffer
- CE, FCC, RoHS, REACH compliant
- Support Dual Base, Medium, Full, 80-Bit configuration modes

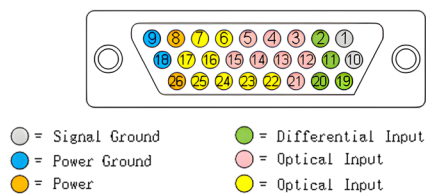
Specifications

Model Name	CFG-CPC28-CSD-1P
Transfer Rate	6.8Gbps
Connectors	SDR x 2
Protocol	CameraLink 2.0
Pixel Format	Mono8/10/12, Bayer 8/10/12, RGB8
Transmission Configuration	Base/Medium/Full/80bit
Clock Frequency	20MHz ~ 85MHz
Taps	1/2/3/4/8/10tap
Digital I/O(D-sub)	(2) Differential inputs/single-ended input (4) Opto-isolated Input (4) Opto-isolated output
On-board Memory	1GB
Compliance	CE, FCC, RoHS, REACH
Host Bus	PCIe Gen2 X8
Dimensions	151.6mm × 126.3mm × 21.6mm
Weight	175.1g
Power Consumption (without PoCL)	8W
Operatingh OS	Windows 7/8/10 x64
Storage Temperature	-20℃ ~ +70℃
Operating Temperature	0℃ ~ +50℃

Dimensions



I/O Connection



Pin	Signal	Direction	Description
1	GND	-	Signal ground
2	DIN_B+	Input	High-speed differential input 2+
3	OPT_IN1+	Input	Isolated input 1+
4	OPT_IN3-	Input	Isolated input 3-
5	OPT_IN4-	Input	Isolated input 4-
6	OPT_OUT2-	Output	Isolated output 2-
7	OPT_OUT4-	Output	Isolated output 4-
8	+5V_OUT	Output	+5 V/0.8 A power supply output
9	PGND	-	External power supply ground
10	GND	-	Signal ground
11	DIN_B-	Input	High-speed differential input 2-
12	OPT_IN1-	Input	Isolated input 1-
13	OPT_IN2+	Input	Isolated input 2+
14	OPT_IN3+	Input	Isolated input 3+
15	OPT_IN4+	Input	Isolated input 4+
16	OPT_OUT2+	Output	Isolated output 2+
17	OPT_OUT4+	Output	Isolated output 4+
18	PGND	-	External power supply ground
19	DIN_A-	Input	High-speed differential input 1-
20	DIN_A+	Input	High-speed differential input 1+
21	OPT_IN2-	Input	Isolated input 2-
22	OPT_OUT1-	Output	Isolated output 1-
23	OPT_OUT1+	Output	Isolated output 1+
24	OPT_OUT3-	Output	Isolated output 3-
26	OPT_OUT3+	Output	Isolated output 3+
26	+12V_OUT	Output	+12 V/0.8 A power supply output
Casing	Shielding GND	Casing	Connected with PC shell



Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs, and control traceability.

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