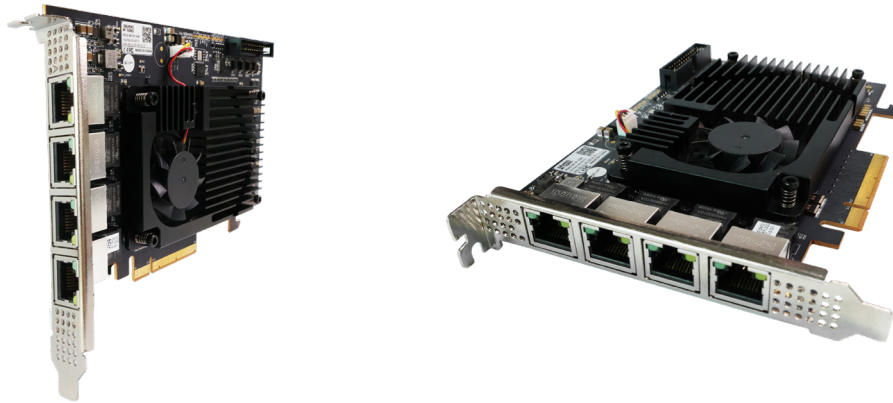


POLS-DE-4T-G38 (L)

POLARIS Quad Channel GVSP Frame Grabber



GEN< i >CAM



POLS-DE-4T-G38 (L) is a GVSP frame grabber independently developed by DAHENG IMAGING. Based on the PCIe Gen3 bus industry standard and GigE Vision V1.2 protocol, It can realize high-speed image acquisition and data transmission. POLS-DE-4T-G38 (L) can acquire images at a speed of 10Gbps per channel (up to 4 channels) and transfer the images to host memory through the PCIe Gen3×8 slot.

Applications

Suitable for machine vision applications such as industrial inspection, medical, scientific research, education, and so on.

Features

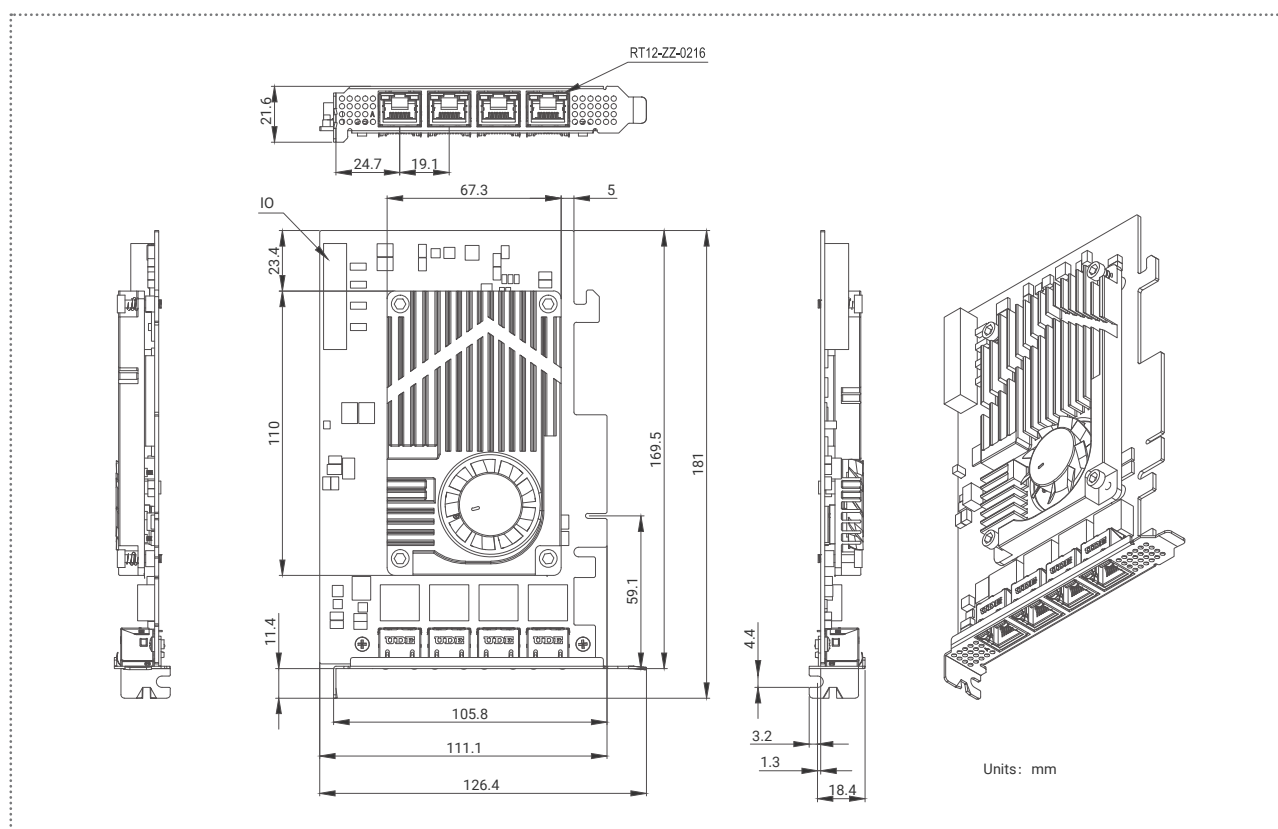
- PCIe Gen3×8 bus: 40Gbps bus bandwidth
- The transmission speed is up to 10Gbps per channel
- Rich I/Os
- Protocol Offload
- Low CPU usage

Specifications

Model	POLS-DE-4T-G38	POLS-DE-4T-G38 L
Memory		
Memory	4GB DDR4 SDRAM	2GB DDR4 SDRAM
Payload Size	<512MB	<256MB
Host Interface		
Bus	PCIe Gen3 × 8	
Bus Performance	6700 MB/s (Ethernet transmission bandwidth: 4400MB/s)	
Camera Interface		
CXP Protocol	GigE Vision V1.2	
Cable Connectors	RJ45	
Supported Cameras	4	
Channel Indicator Light	4 pairs of LEDs: one green light and one yellow light for each port	
Maximum Aggregate Bandwidth	10 Gbps × 4	
Download Speed	100M/1G/2.5G/5G/10G	
Upload Speed	100M/1G/2.5G/5G/10G	
Maximum Flow Packet Size	8192	
Pixel Format	Mono8/10/12/14/16; Bayer**8/10/12/14/16 (**=GR, RG, GB, BG); RGB8	
Number of Encoder	1	
Number of Timer	4	
User-defined Output	14 (UserOutput0~9, UserOutputTL0~3)	
Mechanical		
Cooling	Heatsink, fan	
Mounting	PCIe Gen3 × 8 or above slot	
Dimensions	181(W) × 22.4(H) × 126.4(L) mm	
Operating Temp.	0° C ~ +50° C	
Storage Temp.	-20° C ~ +70° C	
Operating/Storage Humidity	95% non-condensing	
I/O		
Onboard I/O	2 differential inputs, 4 opto-isolated output, 4 TTL inputs/outputs	
Connector	Onboard I/O model: 430225026S11B0, The matching plug model: C23A25263820100 The onboard I/O can be led out by the appropriate accessories according to the user's requirements	

Electrical	
Typical Power Consumption	28 W
Others	
SDK	GalaxyView 2.1 or above
OS	Win7/10/11, 64bit system is recommended
Conformity	CE, RoHS, FCC, WEEE, GigE Vision®, GenICam®

Technical Drawing



China Daheng Group, Inc. Beijing Image Vision Technology Branch

12F Daheng Science & Technology Tower, No.3 Suzhou Street, Haidian District, Beijing China, 100080

Tel: +86 10 82828878

E-mail: isales@daheng-imaging.com