

MV-GC1100

2-Channel Camera Link Frame Grabber



GEN<i>i</i>CAM



Introduction

MV-GC1100 Camera Link frame grabber supports Camera Link protocol, and supports Base, Medium, Full, and 80-bit configuration modes. It adopts 1 GB on-board memory to cache images. The frame grabber provides SDK interface and complies with GenCam standard for secondary development.

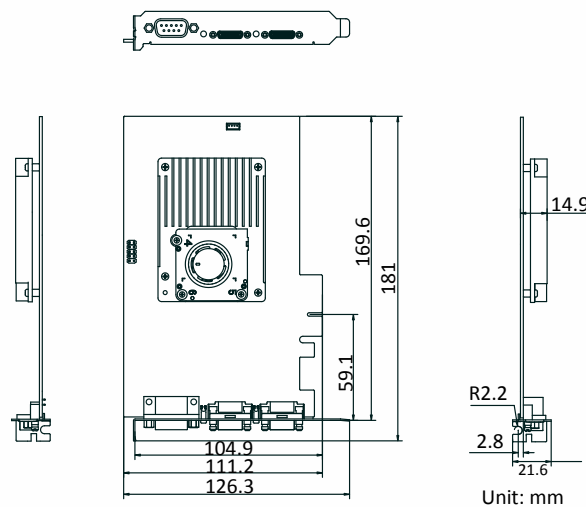
Available Model

MV-GC1102IOL

Key Feature

- Supports Camera Link protocol with two SDR connectors accessing up to 6.8 Gbps data transfer speed theoretically.
- Supports PoCL with each channel providing 4 W at most.
- Adopts multiple I/O connectors for input and output.
- Provides SDK and supports GenTL protocol for secondary development.
- Complies with GenCam standard.

Dimension



Specification

| | |
|----------------------------------|---|
| Model | MV-GC1102IOL |
| Performance | |
| Configuration mode | Base, Medium, Full, 80-bit, Lite |
| Pixel clock | 20 MHz to 85 MHz |
| Memory | |
| On-board memory | 1 GB DDR3-RAM |
| Host interface | |
| Interconnect | PCI-E gen2 × 4 |
| Delivery bandwidth | 1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth) |
| Indicator | 1 |
| Camera interface | |
| Standard | Camera Link 2.1 |
| Interface | SDR × 2 |
| Power output | PoCL, each channel provides 4 W@ 12 VDC at most |
| Camera type supported | Camera Link industrial camera |
| Camera quantity supported | 2 at most |
| Camera connection speed | 6.8 Gbps |
| Stream | 2 |
| Stream indicator | 2 |
| Processing feature | |
| Pixel format | Mono 8/10/12/16, Bayer 8/10/12/16, RGB 8, BGR 8 |
| GPIO | |
| I/O Type | Configurable input/output × 8, compatible with single-ended/differential Line 2/3 supports 3.3 VDC to 26 VDC input and 3.3 VDC to 26 VDC output Line 0/1/4/5/6/7 supports 3.3 VDC to 12 VDC input, and 3.3 VDC output |
| Connector | DB9 male connector, 9-pin header (2.54 mm interval, 2 × 5, 10-pin hole) |
| Electrical feature | |
| Power consumption | Typ. 9 W (without PoCL) |
| Mechanical | |
| Dimension | 181 mm × 126.3 mm × 21.6 mm (7.1" × 5.0" × 0.9") |
| Temperature | Working temperature: 0 °C to 60 °C (32 °F to 140 °F) Storage temperature: -20 °C to 70 °C (-4 °F to 158 °F) |
| Humidity | 10% to 95% RH, non-condensing |
| General | |
| Client software | MVS |
| Operating system | 32/64-bit Windows 7/10 |
| Certification | CE, FCC, RoHS, KC |

HIKROBOT

Hangzhou Hikrobot Co., Ltd.
en.hikrobotics.com

MaxxVision®

Sigmaringer Str. 121
70567 Stuttgart
Tel.: 0711 997 996 3
www.maxxvision.com

© Hangzhou Hikrobot Co., Ltd. All Rights Reserved.

Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.