



Cube4MGE-FGM8

Cube GigE

High-Speed Recording

The CUBE series are high-speed CMOS cameras with high resolution and an internal image memory. An integrated NiMH battery enables high-speed recordings without an external power source. Depending on the model and memory capacity, videos of several seconds up to several hours can be stored in the camera. Depending on the model and memory capacity, videos of several seconds up to several hours can easily be stored and accessed via a GigE interface. The robust HG version is particularly resistant to vibrations and shocks.

Technical Highlights:

- Internal image memory
- no external power supply needed
- up to several hours of videos
- reacts to events through trigger signal
- Burst mode

SPECIFICATIONS

| | |
|--------------------|----------------|
| Resolution [MP] | 1.3 MP |
| Resolution (h x v) | 1280 x 1024 px |
| Frame rate (max.) | 1010 fps |
| Chroma | mono |
| Interface | GigE Vision |

SENSOR

| | |
|---------------------|------------------|
| Sensor | MV-13HS |
| Manufacturer | Micron |
| Sensor type | Area CMOS |
| Shutter type | global shutter |
| Sensor size (h x v) | 15.36 x 12.29 mm |
| Optical diagonal | 19.67 mm |
| Sensor format | 1 " |
| Pixel size (h x v) | 12 x 12 µm |

FRAME RATES

| | |
|-------------|-----------|
| 1280 x 1024 | 1010 fps |
| 1280 x 512 | 2018 fps |
| 1280 x 204 | 5050 fps |
| 1280 x 146 | 7039 fps |
| 1280 x 102 | 10051 fps |
| 1280 x 49 | 20326 fps |
| 1280 x 18 | 50470 fps |

CAMERA

| | |
|---------------------|---|
| Trigger modes | Manual, External analog Voltage, External TTL, Acc |
| Exposure time (min) | 2 µs |
| Exposure time (max) | 1 sec |
| Pixel format / max | mono8 / 8 bit |
| Internal memory | 8000 MB SDRAM |
| Recording time | 6.48 s |

FEATURE SET

| | |
|-------------------------|-----|
| AOI | yes |
| Shading correction | yes |
| Defect pixel correction | yes |

HOUSING

| | |
|-------------------------|-----------------------------|
| Lens mount | FG-Mount |
| Dimensions (w x h x d) | 69 x 93 x 120 mm |
| Weight | 960 g |
| Ambient temperature | -10 to 45 °C |
| Ambient humidity | 10 to 90 % (non-condensing) |
| Shock / Vibration proof | 100 g /10 grms |
| Protection class | IP30 |

I/O-INTERFACES

| | |
|-------------------|-------------------------------|
| Input OPTO | 4 x |
| Input Analog | 1 x |
| Power supply | 10.5 to 30 V (DC) |
| Power consumption | 15 W (dep. on operating mode) |

SVS-VISTEK GMBH

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