



Cube4MGE-CM4HG

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	4000 MB SDRAM
Recording time	3.24 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

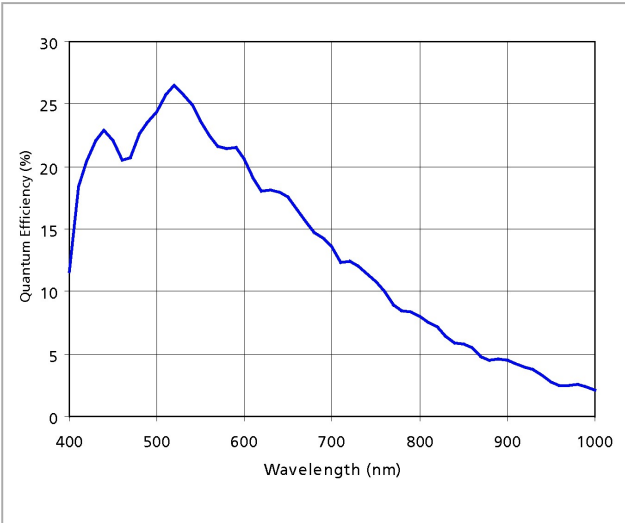
HOUSING

Lens mount	C-Mount
Dimensions (w x h x d)	69 x 93 x 92 mm
Weight	910 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)

SPECTRAL RESPONSE *



* Sensor data – excludes camera cover- or IR-cut filter characteristics