

# GigE GenICam® Cameras

## HC-CE2000-10GM/HC-CE2000-10GC

### GigEVision® protocol & GenICam® standard

Standard vision SDK platform for easy integration in existing software.

### Full GenICam® compliant: easy to integrate

GenICam® compliant SDK package provides more flexibility to Vision Systems®.

### GigE PoE compliance

No need for separate cables to transfer the information to the computer and provide power to the camera.

### 128MB on-board buffer

128MB on-board buffer, for image burst transmitting and retransmitting.



**GigE**  
VISION

**GEN<i>CAM**

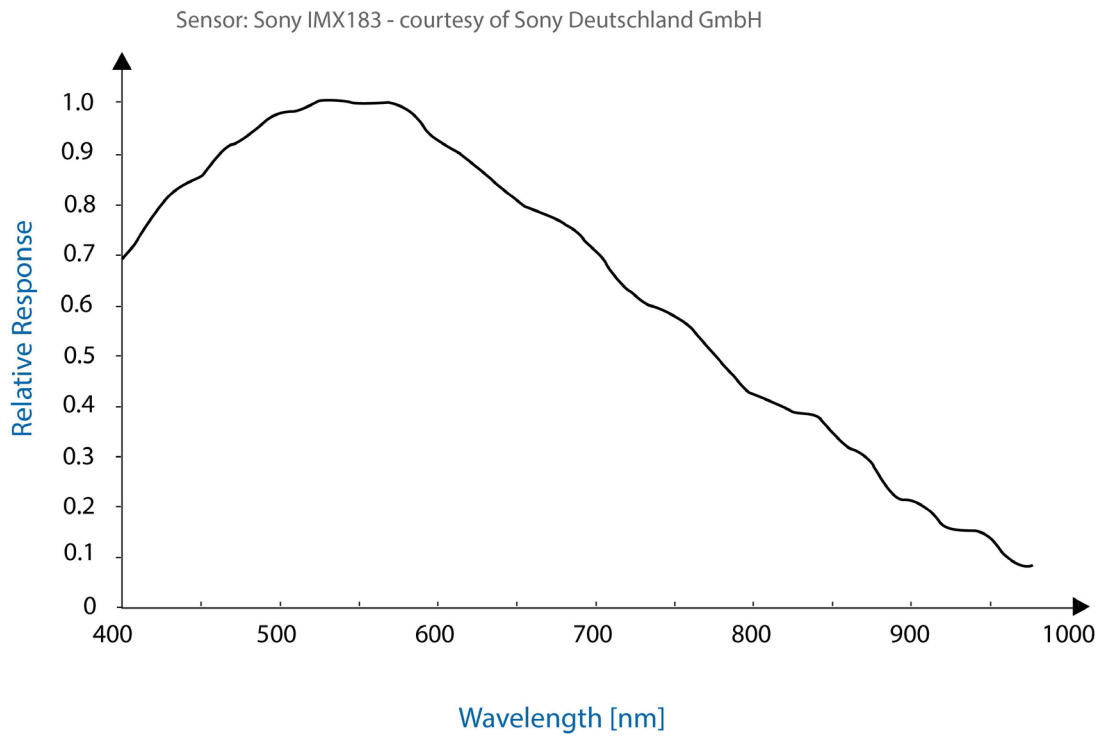
## Specifications

Model	Sensor	Sensor Type	Shutter	Resolution	Frame rate ( fps )	Bit depth	Interface	Mono/ Color	Pixel size ( μm )	Sensor size
HC-CE2000-10GM	Sony IMX183	CMOS	Rolling	5472 × 3648	5.9	12	GigE	Mono	2.4 x 2.4	1"
HC-CE2000-10GC	Sony IMX183	CMOS	Rolling	5472 × 3648	5.9	12	GigE	Color	2.4 x 2.4	1"

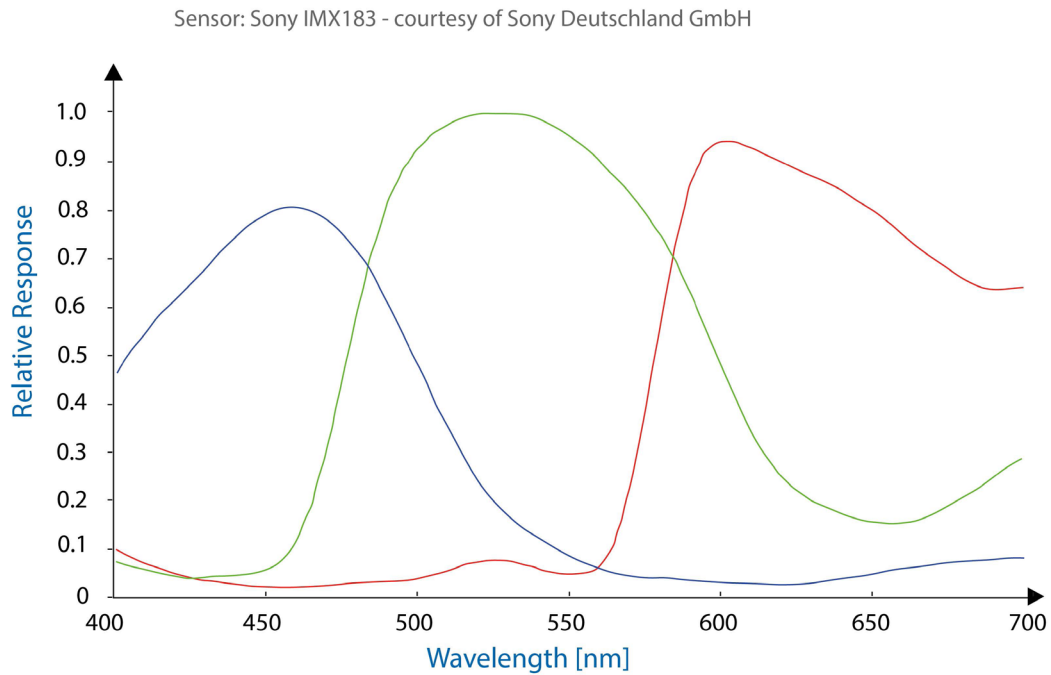
Model	HC-CE2000-10GM	HC-CE2000-10GC
Effective Pixels	20MP	
SNR	41.5 dB	
Dynamic Range	65.5 dB	
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable input/output without opto isolation	
Image Format	Mono 8/10/10p/12/12p	Mono 8/10/12 Bayer GB 8/10/10p/12/12p YUV422Packed, YUV422_YUYV_Packed RGB 8, BGR 8
Binning	Support	
Decimation	Not Support	
Gain	0 dB ~20 dB	
ROI	Support	
Exposure Time	46 μs ~ 2 sec	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	128MB	
User Setting	Support two sets of user-defined configurations	
Dimensions	44 mm × 29 mm × 59 mm	
Weight	≈ 100g	
Power Supply	12V, PoE	
Power Consumption	<3.5 W@12 VDC	
Lens Mount	C-mount	
Temperature	Storage temperature: -30° C~ + 70° C; Operation temperature: 0° C~+50° C	
Compatibility	GigE Vision V2.0, GenICam	

## Spectral Characteristics

### Spectral Sensitivity - HC-CE2000-10GM

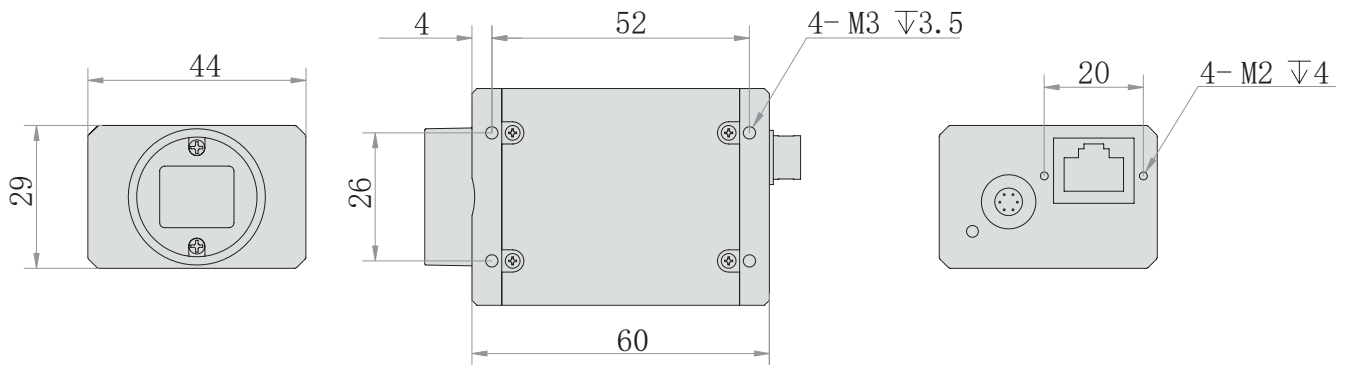


### Spectral Sensitivity - HC-CE2000-10GC



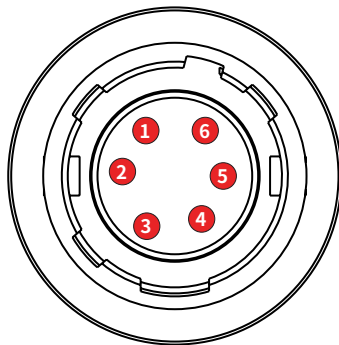
## Dimensional Diagrams

HC-CE2000-10GM/GC (Unit:mm)



## I/O Connector

### 6pin power & I/O port



Pin	Signal	Description
1	--	DC 12V
2	Line 0+	Opto-isolated input
3	Line 2+	Can be configured as input or output
4	Line 1+	Opto-isolated output
5	Line 0/1-	Opto-isolated ground
6	Line 2-	Camera power and GPIO ground



**Mstar Technologies, Inc.**

4/F, Building 19, No. 998 Wenyi West Road, YuHang  
District Hangzhou Zhejiang 311121 China

Tel: 86-571-26280523

E-Mail: fangjl@hc-vision.cn