



## Specification

<b>Model</b>	<b>-CE003-20GM</b>	<b>HC-CE003-20GC</b>
<b>Camera</b>		
<b>Sensor type</b>	CMOS, global shutter	
<b>Sensor model</b>	PYTHON480	
<b>Pixel size</b>	4.8 $\mu\text{m}$ $\times$ 4.8 $\mu\text{m}$	
<b>Sensor size</b>	1/3.6"	
<b>Resolution</b>	640 $\times$ 480	
<b>Max. frame rate</b>	173 fps @640 $\times$ 480	
<b>Dynamic range</b>	59 dB	
<b>SNR</b>	39 dB	
<b>Gain</b>	0 dB to 9.5 dB	
<b>Exposure time</b>	42 $\mu\text{s}$ to 10 sec	
<b>Exposure mode</b>	Off/Once/Continuous exposure mode	
<b>Mono/color</b>	Mono	Color
<b>Pixel format</b>	Mono 8/10/10p/12/12p	Mono 8/10/12, Bayer GB 8/10/10p/12/12p, YUV 422 Packed, YUV422_YUYV_Packed, RGB 8
<b>Binning</b>	Supports 1 $\times$ 1, 1 $\times$ 2, 2 $\times$ 1, 1 $\times$ 4, 4 $\times$ 1, 2 $\times$ 2, 2 $\times$ 4, 4 $\times$ 2, 4 $\times$ 4	
<b>Decimation</b>	Supports 1 $\times$ 1, 2 $\times$ 2	
<b>Reverse image</b>	Supports horizontal reverse image output	
<b>Image buffer</b>	128 MB	
<b>Electrical feature</b>		
<b>Data interface</b>	Gigabit Ethernet, compatible with Fast Ethernet	
<b>Digital I/O</b>	6-pin Hirose connector provides power and I/O, including opto-isolated input $\times$ 1 (Line 0), opto-isolated output $\times$ 1 (Line 1), bi-directional non-isolated I/O $\times$ 1 (Line 2).	
<b>Power supply</b>	12 VDC, supports PoE	
<b>Power consumption</b>	Typ. 3.0 W@12 VDC	
<b>Mechanical</b>		
<b>Lens mount</b>	C-Mount	
<b>Dimension</b>	29 mm $\times$ 29 mm $\times$ 42 mm (1.1" $\times$ 1.1" $\times$ 1.7")	
<b>Weight</b>	Approx. 68 g (0.15 lb.)	
<b>Ingress protection</b>	IP30 (under proper lens installation and wiring)	
<b>Temperature</b>	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$ ) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$ )	
<b>Humidity</b>	20% to 80% RH, non-condensing	
<b>General</b>		
<b>Client software</b>	MVS or third-party software meeting with GigE Vision Protocol	
<b>Operating system</b>	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS	
<b>Compatibility</b>	GigE Vision V1.2, GenICam	
<b>Certification</b>	CE, FCC, RoHS, KC	