

HT-GE630C/M-T

6.3MP GigE Area Scan Camera



GigE
VISION

GEN< i >CAM

CE

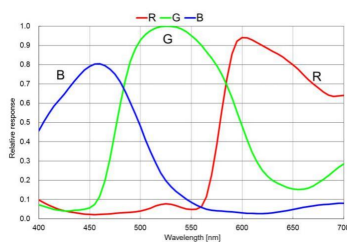


The HT-GE630C/M-T is capable of 1000MB/s maximum transfer data rate, and has opto-isolated I/Os. Thanks to locking screw connectors, the GE cameras can secure the reliability of cameras deployed in harsh environments. The GE cameras are industrial digital cameras with high reliability and high performance ratio.

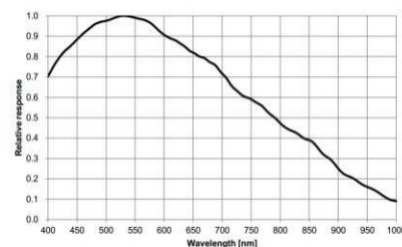
Features

- Support Windows/Linux/Android operating systems
- The Sequencer Control supports multiple sets of parameters configuration
- Gain, GainAuto, Gamma, Black Level, Digital Shift, Flat Field Correction
- Color models support Light Source Preset, Color Transformation Control and Saturation
- Static Defect Correction, Sharpness, Noise Reduction(Mono)
- Timer, Counter, LUTs and storable user sets
- Data storage area for saving algorithm coefficients and parameter configuration
- Supports GigEVision.GenICam standard and the same SDK for all cameras
- Provide examples VC++/C#/Python/JAVA/QT/LabView/Haclon/VB/Delphi6, etc.

Spectral Response



HT-GE630C-T

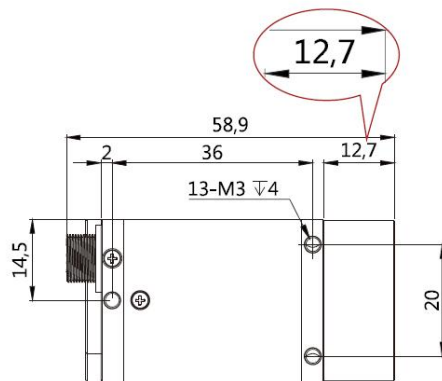


HT-GE630M-T

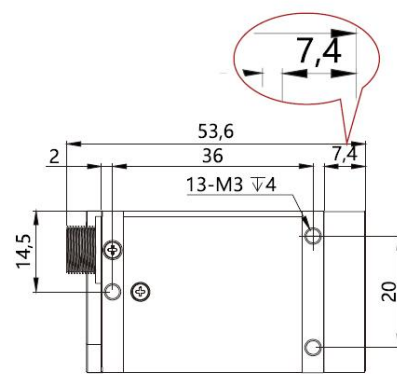
Camera Specifications

Model	HT-GE630C-T		HT-GE630M-T	
Camera Performance				
Sensor type	CMOS,Rolling Shutter			
Sensor model	IMX178			
Pixel	6.3MP			
Pixel size	2.4 μm X 2.4 μm			
Sensor size	1/1.8"			
Resolution	3088 X 2064			
Max. frame rate	18.75 fps			
Pixel Bit Depth	12bit			
Dynamic range	60 dB			
Sensitivity	425mV 1/30s			
SNR	40 dB			
Gain	32			
Exposure time	0.025~14448 ms			
Exposure mode	Off/Once/Continuous exposure mode			
Mono/color	Color		Mono	
Pixel format	Bayer 8/12		Mono 8/12	
Reverse image	Supports horizontal and vertical reverse image output			
Electrical feature				
Data interface	GigE			
Digital I/O	6-pin Hirose connector provides power and I/O, including opto-isolated input x 1 , opto-isolated output x 1 , bi-directional non-isolated I/O x 1			
Power supply	9~24 VDC (POE optional)			
Power consumption	Typ. 2.5 W@12 VDC			
Mechanical				
Lens mount	C-Mount			
Dimension	29 mm X 29 mm X 40 mm			
Weight	70 g			
Temperature	Working temperature: 0° C to 50° C			
Humidity	20% to 95% RH, non-condensing			
General				
Client software	HuaTengVision or third-party software meeting with GigE Vision Protocol			
Operating system	Support 32/64-bit Windows/Linux/Android operating systems			
Compatibility	GigE Vision V1.2, GenICam			
Certification	CE, RoHS, KC, FCC, ICES, UKCA, GigE Vision®, GenICam®			

Housing Dimensions

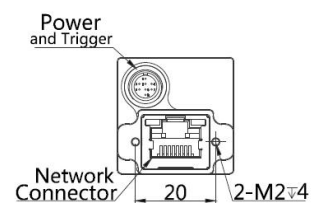
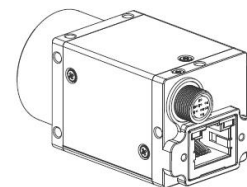
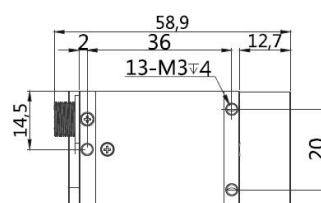
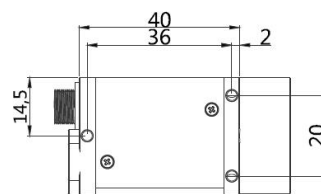
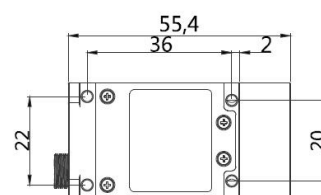
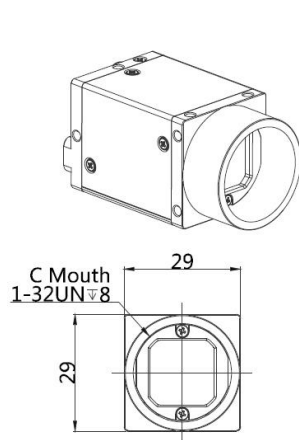


C-Mouth



CS-Mouth

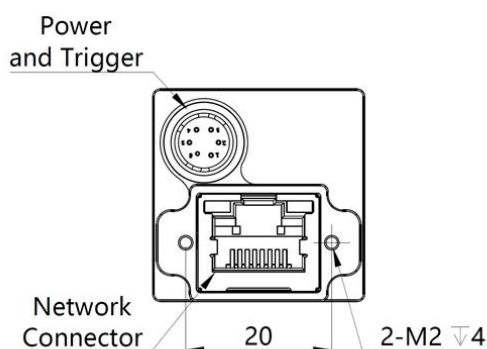
Unit: mm



Unit: mm

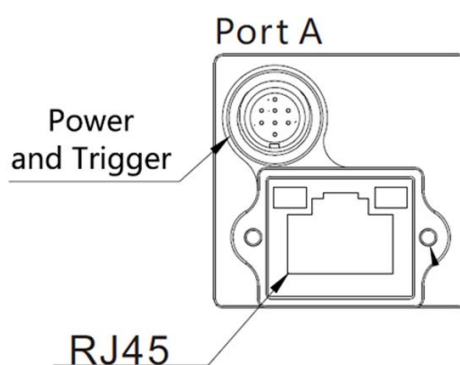
I/O Interface

T1 / T1P / T1-C / T1P-C Series IO Line Sequence



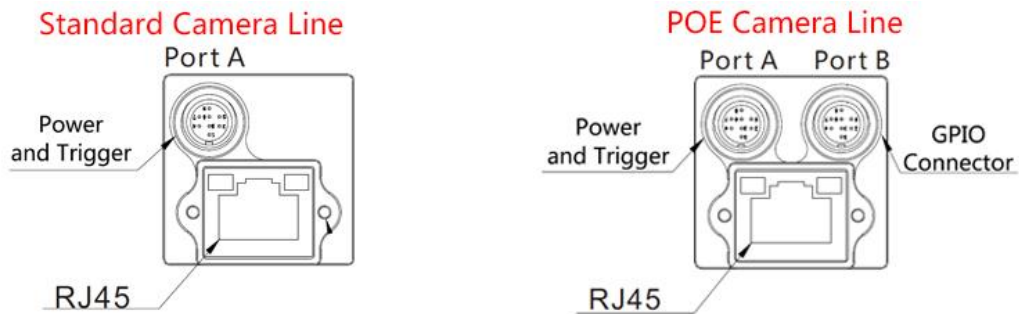
Type	Pin	Colour	Signal Name	Signal Description	Remarks
GigE	1	Red	PWR 12V	Power Input +	
	2	White	GPI1+/TRIG_IN+	GPI1+/Trigger Input +	Default Trigger
	3	Brown	GPO2+	GPO2 Output +	Null
	4	Green	GPO1+/STRB_OUT+	GPO1+/Flash Output +	Default Flash
	5	Yellow	GPO1-/STRB_OUT-/TRIG_IN-	GPO1-/Flash Output -/Trigger Input -	Common GPIO
	6	Black	PWRGND	Power Input -	

T / TP-CL Series IO Line Sequence



Type	Pin	Colour	Signal Name	Signal Description	Remarks
GigE	1	Green	GPO1+/STRB_OUT+	GPO1+/Flash Output +	Default Flash
	2	Yellow	GPO1-/STRB_OUT-	GPO1-/Flash Output -	Default Flash
	3	White	GPI1+/TRIG_IN+	GPI1+/Trigger Input +	Default Trigger
	4	Brown	GPI1-/TRIG_IN-	GPI1-/Trigger Input -	Default Trigger
	5	Red	PWR 12V	Power Input +	
	6	Black	PWRGND	Power Input -	

T-CL / TPO-CL Series IO Line Sequence



Port	Pin	Colour	Signal Name	Signal Description	Remarks
Port A	1	White	GPI1+/TRIG_IN+	GPI1+/Trigger Input +	Default Trigger
	2	Green	GPO1+/STRB_OUT+	GPO1+/Flash Output +	Default Flash
	3	Yellow	GPO1-/STRB_OUT-	GPO1+/Flash Output -	Default Flash
	4	//			
	5	Black	PWRGND	Power Input -	
	6	Brown	GPI1-/TRIG_IN-	GPI1-/Trigger Input -	Default Trigger
	7	Red	PWR12V	Power Input +	
	8	//			
Port B	1	White	GPO4+	GPO4 +	
	2	Green	GPO2+	GPO2 +	
	3	Yellow	GPO3+	GPO3 +	
	4	//			
	5	Black	GPIO_COM	GPIO Public	
	6	Brown	GPI2+	GPI2 +	
	7	Red	GPI3+	GPI3 +	
	8	//			

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