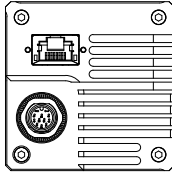


Specifications	Model	EMVC-GGC2500GC
Sensor		1.1"
Sensor type		CMOS
Camera type		Color
Pixel size		2.5umx2.5um
Effective pixels		25MP
Resolution @ frame rate		5120X5120 MAX@41.75FPS
Exposure mode		Global exposure
Dynamic range		10bit:>60dB 12bit:>65dB
Sensitivity		$1.03 \times 10^{-7} \text{ e-}/((\text{W}/\text{m}^2) \cdot \text{s}) @ 500\text{nm}$
GPIO		2 input and 2 output, 1 way configurable input and output, supports trigger and strobe sync modes
Output pixel width		10bit
AD width		12bit
Frame buffer		1GB
Time of exposure		0.0046~14470.3ms
Maximum gain (multiple)		16.5
User EEPROM		2KB
Frequency output format		Bayer GB 8/12bit, BGR 8bit, RGB 8bit, YUV422 8bit
Visual standard protocol		GigE Vision、GenICam
Lens interface		C-Mount
Data interface		10 Gigabit copper cable 10GBase-T, compatible with 100M/1G/2.5G/5G
Power supply		24V
Power		<12W
Boundary dimension		64X64X52.7(mm) (Lens base and rear shell interface are not included)
Weight		<350g
Working temperature		0~50℃
Working humidity		20~80%(No Condensation)
Storage temperature		-30~60℃
Storage humidity		20~95%(No Condensation)
Operating system		WINXP、WIN7 / 8/10 32 & 64-bit systems, Linux and ARM Linux drivers and Android platform drivers MAC OS system
Drive program		Directshow components Halcon special components Labview dedicated drive OCX components TWAIN components
Programming language		C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java

Line Sequence Definition



Port	Pin No.	Line Color	Signal name	Description	Remarks
Port A	1	Black	PWR-	Camera power input negative terminal	
	2	Red	PWR+	Camera power input positive terminal	
	3	Gray	GPI_1+/TRIG_IN+	GPI_1 or trigger input optocoupler positive terminal	Default is trigger
	4	Pink	GPI_1-/TRIG_IN-	GPI_1 or trigger input optocoupler negative terminal	Default is trigger
	5	Brown	GPI_2+	GPI_2 input optocoupler positive terminal	
	6	White	GPI_2-	GPI_2 input optocoupler negative terminal	
	7	Green	GPI_3+/GPO_3+	GPI_3 input or GPO_3 output positive terminal	Default is output
	8	Yellow	GPI_3-/GPO_3-	GPI_3 input or GPO_3 output negative terminal	Default is output
	9	Blue	GPO_1+/STRB_OUT+	GPO_1 or strobe output optocoupler positive terminal	Default is strobe
	10	Light green	GPO_1-/STRB_OUT-	GPO_1 or strobe output optocoupler negative terminal	Default is strobe
	11	Purple	GPO_2+	GPO_2 output optocoupler positive terminal	
	12	Orange	GPO_2-	GPO_2 output optocoupler negative terminal	