



PMS-CCN-V0502MHSC

MGV Series 1GigE Area Scan Camera

Fast transmission over Gigabit network
Low power consumption, strong stability
Ultra-small size, industry-universal fixing holes

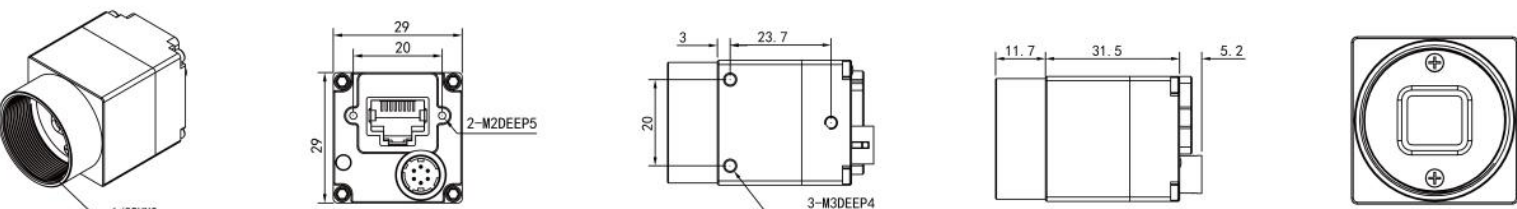
PRODUCT ADVANTAGES

MGV Series 1GigE Area Scan Camera Key Features

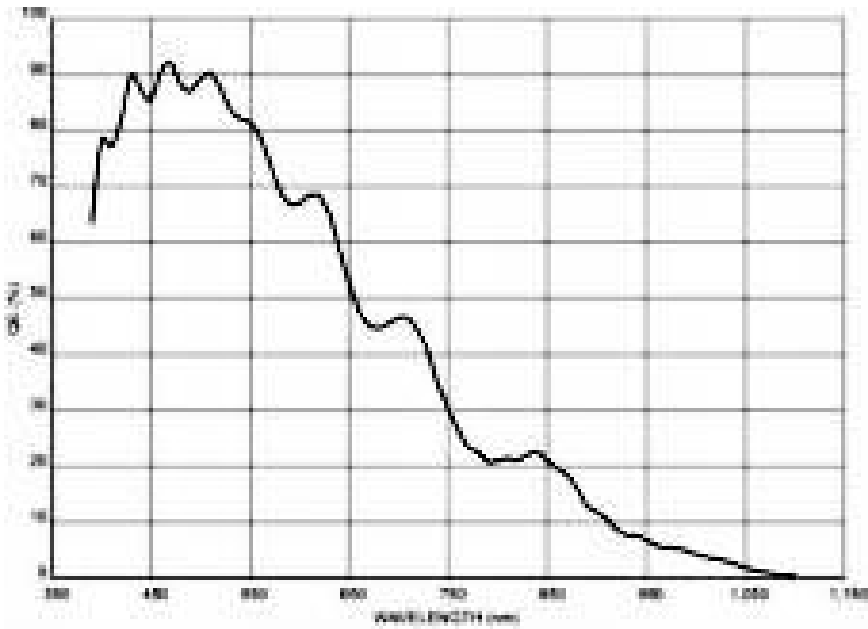
- ◆ Outstanding price/performance ratio
- ◆ Ultra-low power consumption ,high image quality
- ◆ New structure ,higher installation accuracy
- ◆ Rich ISP functions ,such as noise reduction,FPN,super palette ,etc
- ◆ GigE interface ,100m transmission distance
- ◆ Support GigE Vision V2 .0 ,GenICam ,OpenCV,Halcon ,LabView
- ◆ Comply with CE,FCC,RoHS
- ◆ Dimension:29mm×29 mm×31.5 mm

PMS-CCN-V0502MHSC Specifications	
Resolution	2592x1944
BIN	1296x972 53FPS
SUM	1296x972 26.9 FPS
ROI	Support
Optical Size	1/2.5"
Shutter	Rolling
Pixel Size	2.2um
Max Frame Rate	23.8FPS
Mono/Color	Mono
Image Size	2592x1944
Effective Sensor Diagonal	5.70mmx4.28mm
SNR	38db
Sensitivity	1.4V/Lux.S
Bit Depth	12bit
Trigger Mode	Hardware Trigger /Software Trigger
HDR	70db
Spectral Response	390nm-1050nm
Exposure Time	20us-1s372ms602us
Gain Range	Gain:1-15x, Step:0.5x
Pixel Formats	MONO8 ,MONO16
Power Supply	Standard configuration:12V DC;Optional:POE
Power Consumption	POE:2.1W,DC:1.7W
Data Interface	GigE
Dimension	29mmx29mmx31.5mm
Working Temperature	-10°C-50°C
Weight	<45g
Lens Mount	C
IP Rating	IP30
Compatibility	GigE Vision ,GenICam,HALCON,LabView,OpenCV

Dimension Drawing



Spectral Response



PMS-CCN-V0502MHSC Interface Definition		Pin	Color	definition	Signal source	description	Quarantine/ non-quarantine	Interface circuit	Input/ output parameters
		1	Red	POWER_IN		Dc power supply positive terminal			12V
		2	Green	TRIG+	Line 1+	Trigger input positive	Isolated input	photocoupling	Low effectiveness:0-1V High efficiency:5-24V polar
		4	Yellow	FLASH_OUT+	Line 2+	Flash output positive	Isolated output	photocoupling	Optical coupling current limit:20mA polar
		5	Brown	COM	Line 1/2-	Trigger/flash optocoupler common (negative)	Isolation	photocoupling	
		3	White	GPIO	Line 3+	Universal input/output port	Non-isolated input/output	Push-pull output	Input low active: <0.7V Input high active: >2.9V Output low level: 0V Output high level: 3.6V
		6	Black	GND	Line 3-	GPIO/ power source			
			Transpa- rency	Shielded wire		The shield wire is connected to the camera housing			Note: Shielding wire is covered with transparent heat shrink sleeve
		Trigger seat							

