Industrial Camera Manufacturer

WWW.MINDVISION.COM.CN

MindVision TECHNOLOGY

MV-GEC2000C

Products manual

CHARACTERISTIC

· 100 meters distance stable transmission, supports POE power supply

· Compatible with VISION standards, the free drive directly supports software such as Halcon and VisionPro

· Support external trigger and flash sync, up to 7 GPIO, all optoelectronic isolation

· The built-in image processing hardware acceleration, reduce the host CPU occupancy rate

· The special packet retransmission technology, to ensure reliable data transmission

· Excellent SDK ,like USB, cameras, plug and play

· Support multi camera work at the same time, the network can be arbitrary
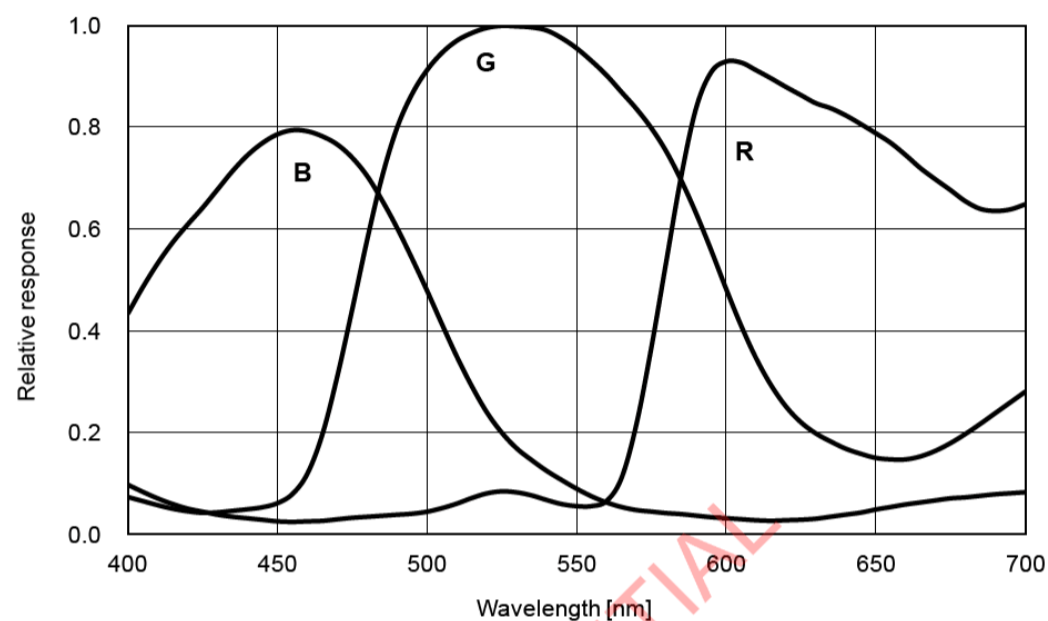
SHENZHEN MINDVISION TECHNOLOGY CO., LTD.

MV-GEC2000C

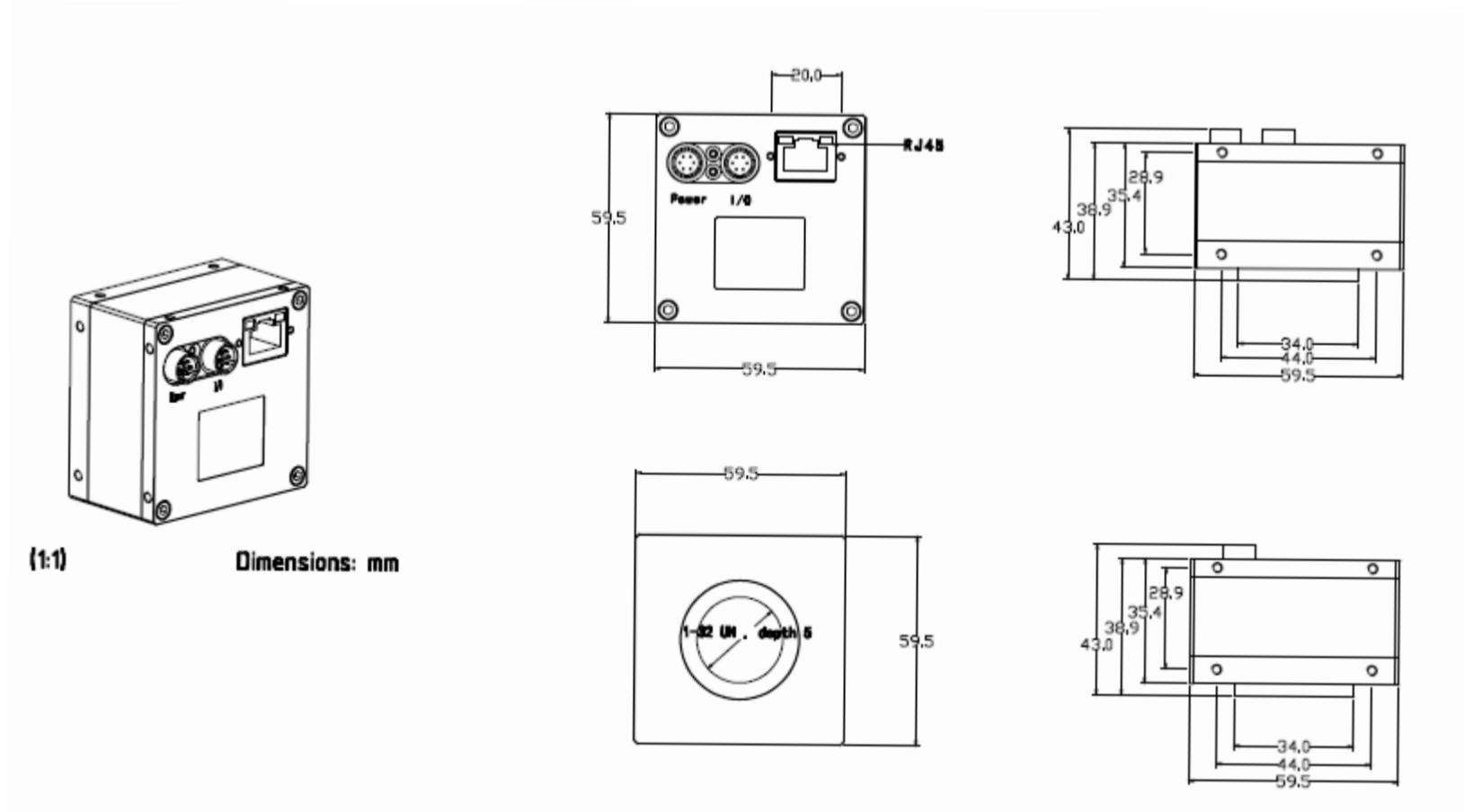| Model / Specifications	MV-GEC2000C
Sensor Type	1 Inch CMOS
Shutter	Rolling Shutter
Mono/Color	Color
Pixel Size	2.4X2.4μm
Resolution	20MP(5488×3672)
Frame Rate	5488X3672@6FPS 4080X3072@6FPS 2736X1550BIN2@28FPS 2048X1536BIN2@28FPS
Pixel Bit Depth	12bit
Sensitivity	1847mV 1/30S
I / O port	1 way to trigger input ,flash output all the way,2 GPI input, 3 road GPO output
Synchronization	external trigger/software/free-run
Maximum Gain	22.0
Exposure time(ms)	0.089~23330S
Filter	Standard 650nm Infrared Cut-off Filter
Frame Buffer	128M Bytes
Camera Custom Data	2K Bytes
Video Output Format	Bayer8、Bayer12、Mono8、Mono12
Video software interface	GigE Vision V1.2、GenICam
Lens Mount	C/CS provides transition rings
Data Interface	Rj45 Gigabit Ethernet interface, backward compatible with 100M network standard
Power Requirements	9~24V/POE
Power Consumption	<2.9W
Dimensions	59.5(mm)X59.5(mm)X35.4(mm)
weight	＜250g
Working temperature	0~50℃
Working humidity	20~80%（No Condensation）
Storage temperature	-30~60℃
Storage humidity	20~95%（No Condensation）
Support system	WINXP, WIN7 / 8/10 32 & 64-bit systems, Linux and ARM Linux drivers and Android platform drivers (customizable)
Drivers	DirectShow components Halcon special components Labview dedicated drive OCX components TWAIN components
Programming language	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python
Programmable control	Image size (ROI), camera, exposure time, GAMMA, contrast, brightness, custom LUT, mirror flip, RGB color gain, saturation, sharpness, color to mono, color temperature correction, anti-color, Color, trigger mode, frame rate control

MindVision
TECHNOLOGY

SPECTRUM

Spectral Sensitivity Characteristics

(excludes lens characteristics and light source characteristics)

MECHANICAL SPECIFICATION

(1:1)   Dimensions: mm

GEC系列（单位：毫米）