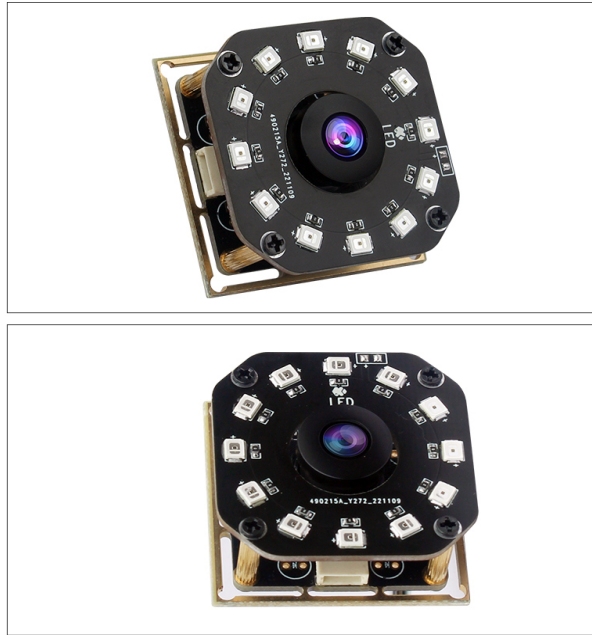# USB 1080P color global exposure camera

Product Description:

USB 2.0 interface;
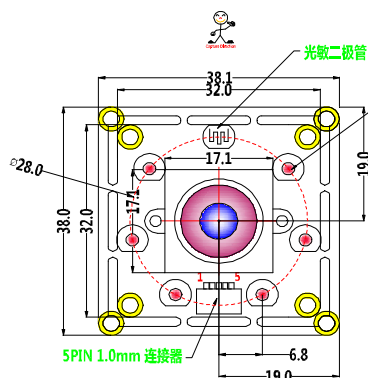1080P HD color global exposure camera;
With MIC, support recording, video recording;
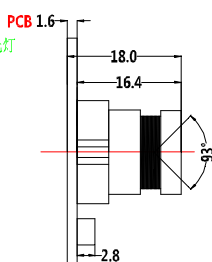Large size chip, no distortion and large Angle;
Color global exposure, high frame rate;
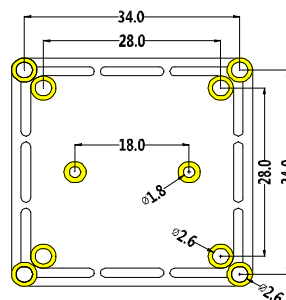Light sensitive control lamp can be selected;
Suitable for high-speed machines, outdoor sports, automation equipment, self-service terminal equipment, Android devices and other scenarios.

光敏二极管

红外灯/白光灯

PCB 1.6

5PIN 1.0mm 连接器

top view   side view   bot view

CONNECTOR USB 5PIN DESCRIPTIONE

N0.	SYMBOL
1	5V
2	D-
3	D+
4	GND
5	GND

Shenzhen Haokai Industrial Technology Co., LTD

未注公差说明		产品型号： HK2M-H269		3rd ANGLE
尺寸单位 ：MM		产品料号：		尺寸比例： 1:1
线性尺寸公差：±0.2		产品类型：		设计 ：
高度尺寸公差：±0.2		设计日期：		制图 ：
钻孔尺寸公差：±0.1		版本号 ：		审核 ：

photosensitive chip	CMOS 1/2.6"
Pixel Size	3.0µm x 3.0µm
SNR max	38 dB
Max Dynamic range	71.4 dB
Minimum illumination	0.1Lux at F12
F/No	2.6
EFL	3.3mm
FOV	95°
IR	650±10nm
Lens Construction	2G4P+IR
Maximum resolution and frame rate	1920*1080 (60ps)、
Other optional resolution ratio	320*240（100fps）、640*480（100fps）、800*600（100fps）、1280*720（100fps）、1280*960（60fps）
Support format	YUV / MJPG
USB power supply voltage	5V±5%
Connect the interface	1*USB-5pin-1.0mm
Interface speed	480mb/s
Operating system request	Windows XP/ VISTA/ Win7/Win8/ Win10/Linux 2.6.24 and above Ubuntu/Mac OS 10.6 and above Android5.1 and above
Power Consumption	Regular work ：0.8W
storage temperature	-30°C to + 90°C
working temperature	-20°C to + 80°C
structure size	（L）38mm x（W）38mm x（H）18mm

Reliability test

Serial number	Test item	Conditions and requirements	Test equipment
1	Low temperature storage	-30℃, 72hours Rising and cooling time 30min respectively	cryostat
2	Low temperature operation	-20℃, 16hours Rising and cooling time 30min respectively	cryostat
3	High temperature storage	90℃, 72hours Rising and cooling time 30min respectively	High-temperature cabinet
4	High-temperature operation	80℃, 16hours Rising and cooling time 30min respectively	High-temperature cabinet
5	High temperature and high humidity storage	70℃, 85%RH, 72hours Rising and cooling time 30min respectively	High temperature and constant humidity box
6	High temperature and high humidity operation	60℃, 85%RH, 16hours Rising and cooling time 30min respectively	High temperature and constant humidity box
7	Thermal shock test	-10℃→50℃(30min each) The conversion time between high and low temperature is less than 5 minutes Total:10cycles	Low temperature box/high temperature box
8	Free drop test (after packing)	Height 100cm, 10 times	Oak floor
9	Vibration test (after packing)	30Hz, amplitude 2mm,XYz in three directions, vibration 30min	Vibration test stand
10	Electrostatic test	150Pf, 330 OHs 8KV, air discharge measurement 10 times	Electrostatic tester
11	Repeated start switch test10,000 times	The Android APP automatically switches the camera on and off 10,000 times	Android device

Address: 3rd Floor, Building A, Hangcheng Smart Security Science Park, Sanwei Community, Xixiang Street, Baoan District, Shenzhen, Guangdong
Tel :0755-27201817

Packaging method

Camera

Electrostatic packing box

Electrostatic packing bag

Carton

Label