



USB 5M Wide dynamic camera



Product Description:

USB 2.0 interface:

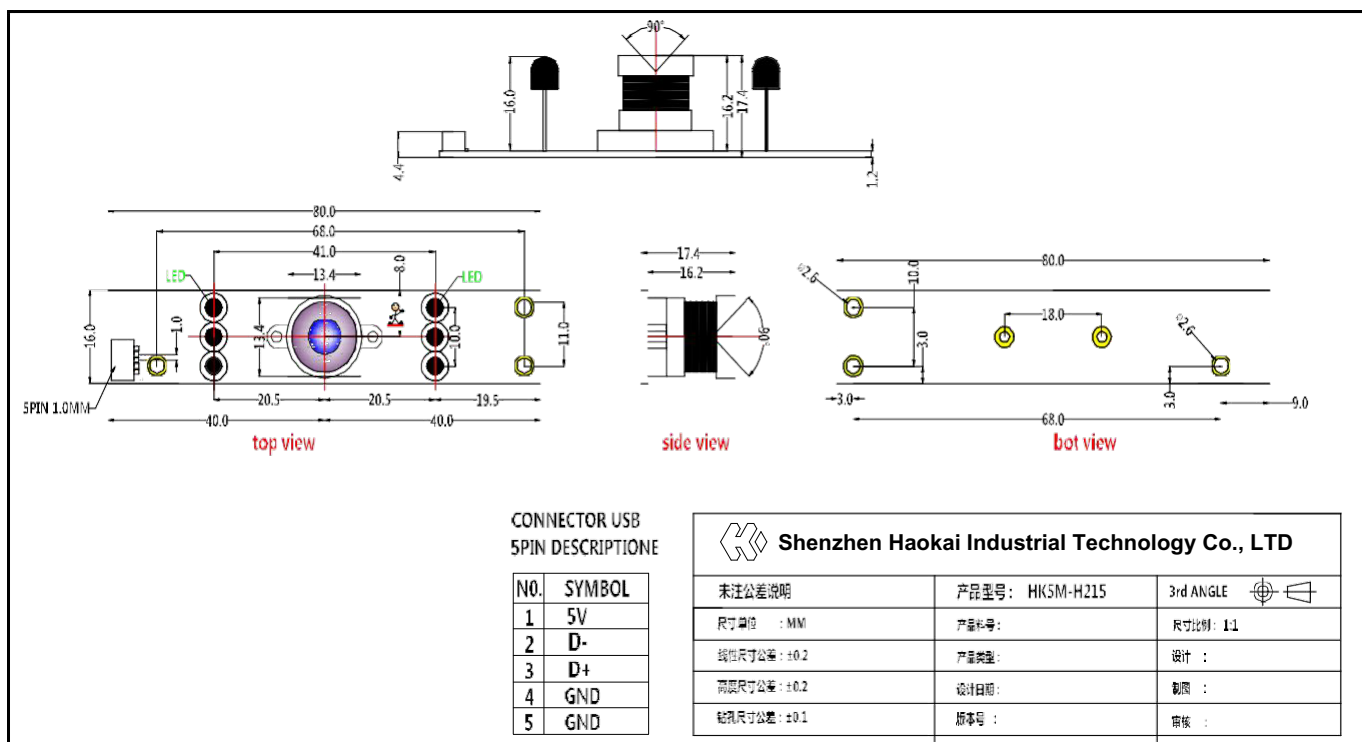
5 megapixel resolution HD camera;

Super wide dynamic range

With MIC, support recording, video recording;

Can be equipped with infrared light or fill light;

Suitable for access control, turn machine, witness detection, advertising machine, face recognition, self-service terminal equipment, Android devices and other scenes;



photosensitive chip	CMOS 1/2.5"
Pixel Size	2.2 μ m x 2.2 μ m
SNR max	39 dB
Max Dynamic range	110 dB
Minimum illumination	0.1Lux at F12
F/No	2.0
EFL	3.5mm
FOV	90°
IR	650 \pm 10nm
Lens Construction	2G4P+IR
Maximum resolution and frame rate	2592*1944 (30ps)、
Other optional resolution ratio	640*480 (30fps)、 800*600(30fps)、 1280*720 (30fps)、 1024*768(30fps)、 1920*1080 (30fps)、 1600*1200(30ps) 2048*1536 (30fps)、 2560*1440(30ps)
Support format	YUV / MJPG
USB power supply voltage	5V \pm 5%
Connect the interface	1*USB-5pin-1.0mm
Interface speed	480mb/s
Operating system request	Win XP、Win 7 、Linux or Vista and android4.1
Power Consumption	Regular work : 0.7W
storage temperature	0° C to 50° C
working temperature	-10° C to + 70°
structure size	(L) 80mm x (W) 16mm x (H) 17.4mm



Reliability test

Serial number	Test item	Conditions and requirements	Test equipment
1	Low temperature storage	-10℃, 72hours Rising and cooling time 30min respectively	cryostat
2	Low temperature operation	-10℃, 16hours Rising and cooling time 30min respectively	cryostat
3	High temperature storage	50℃, 72hours Rising and cooling time 30min respectively	High-temperature cabinet
4	High-temperature operation	60℃, 16hours Rising and cooling time 30min respectively	High-temperature cabinet
5	High temperature and high humidity storage	50℃, 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



Packaging method

