

The Camera Specification

WDR 2.0M Pixel 30FPS HD Color CMOS Sensor

Photographing USB2.0 output

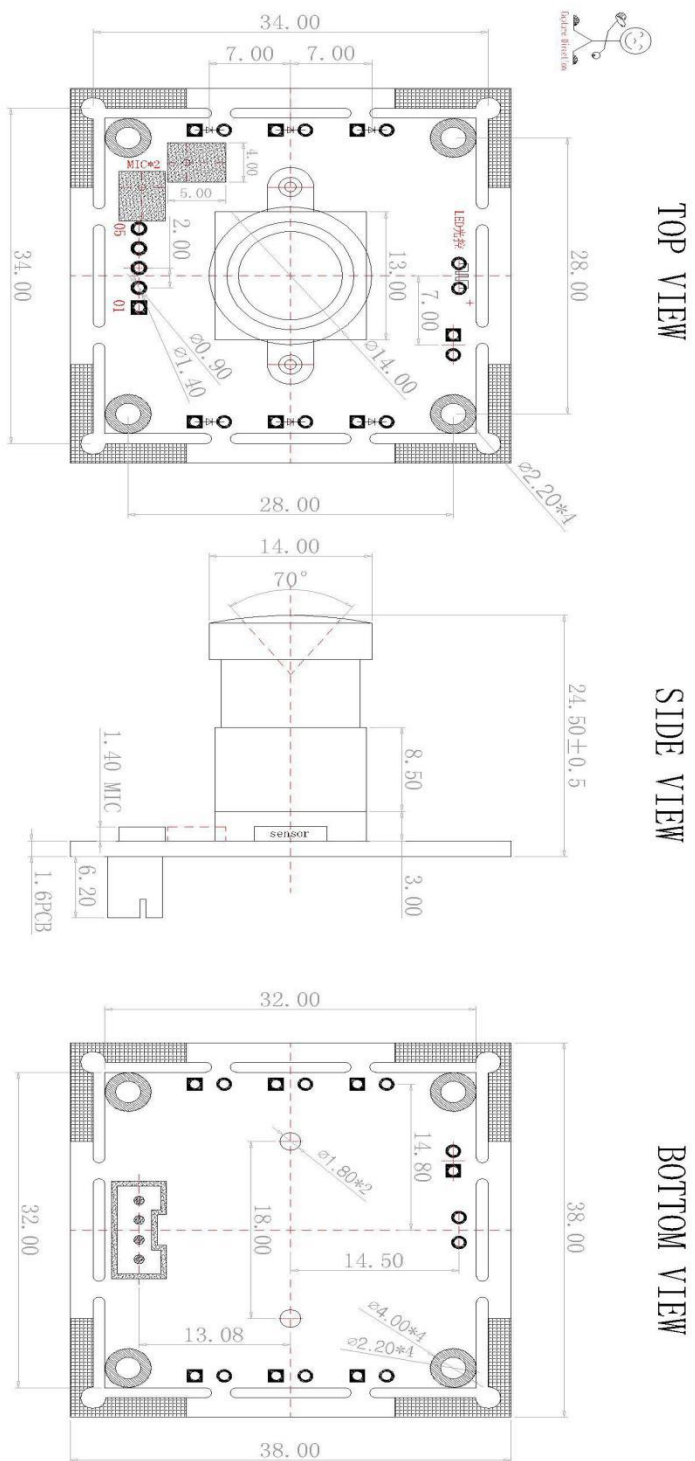


1. Key Specifications (主要规格)

Module No.	HIS-1813
Product Size	38*38mm
Temperature (Operation)	-30°C to 70°C
Temperature (Stable Image)	0°C to 50°C
Assembly technique	SMT (ROSH)
Lens	3.6mm
Object distance	30CM-infinity
Resolution	2.0Megapixels
View Angle	100° (Distortionless)
interface	USB 2.0
Power supply	USB bus power
supply voltage	DC 5V±5%
Maximum Power consumption	450 mW
OSI	Supported with UVC
Operating system request	WinXP/Win7/Win8/Win10/MAC OSX/Linux/Android with uvc
Functions	Support OTG,UVC Protocol,QR Code Scan,Face Recognition;
USB Interface	USB interface free drive, plug and play,Witness Contrast;
Sensor	HM2131 (1/2.7)
Sensor Package	CSP,Bare Die
Maximum resolution	1920*1080/30FPS

Sensitivity	3300 / (lux-sec)
Pixel Size	3μm x 3μm
Maximum Image Transfer Rate	MJPEG 640x360 30FPS / YUY2 640x360 30FPS MJPEG 640x480 30FPS / YUY2 640x480 30FPS MJPEG 800x600 30FPS / YUY2 800x600 30FPS MJPEG 1280x720 30FPS / YUY2 1280x720 30FPS MJPEG 1920x1080 30FPS / YUY2 1920x1080 30FPS
S/N Ratio	39db
Max Dynamic Range	69db
Shutter type	Electronic rolling shutter
AGC/AEC/Whiter balance	Auto
Output Formats	YUY2/MJPEG
Microphone	Support
Lens Construction	4G
F/No	2.3
EFL	4.04 mm
FOV	70°
TV Distortion	<-9.5%
Relative Illumination (Sensor)	70%
IR Filter	650±10nm
Module Package	Anti-electrostatic tray
Certifications	FCC/CE/ROSH

2. Module Mechanical Dimension(模组结构图)



Lens Specification

Optical Specification	
Focal Length	4.04mm
FOV (D)	70°
TV Distortion	<-9.5%
F. Number	2.3

PIN	SIGNAL
1	VCC 5V
2	D-
3	D+
4	GND
5	GND

NOTE

- 1 The unmarked tolerance of linear dimension is $\pm 0.1\text{mm}$
- 2 Sensor : 0W9732
- 3 Image direction register use default settings.

4				TOLERANCE									SCALE		PROJ.	⊕ ⊖	
3			ITEM	ALLOWANCE TOLERANCE								REV	1	QTY	1		
2			ANGLE	±5°								SHEET	1	OF	1	SIZE	A4
1	SKETCH				DRAWING			DATE			Part Name		HBVCAM-1807-720P V11				
					CHECKED			UNIT	MM	Customer P/N							
NO.	CHANGE	NAME	DATE		APPROVED			WEIGHT			Material						