

The Camera Specification 4K/8.0M Pixel 7FPS HD Color CMOS Sensor With Audio USB2.0 output

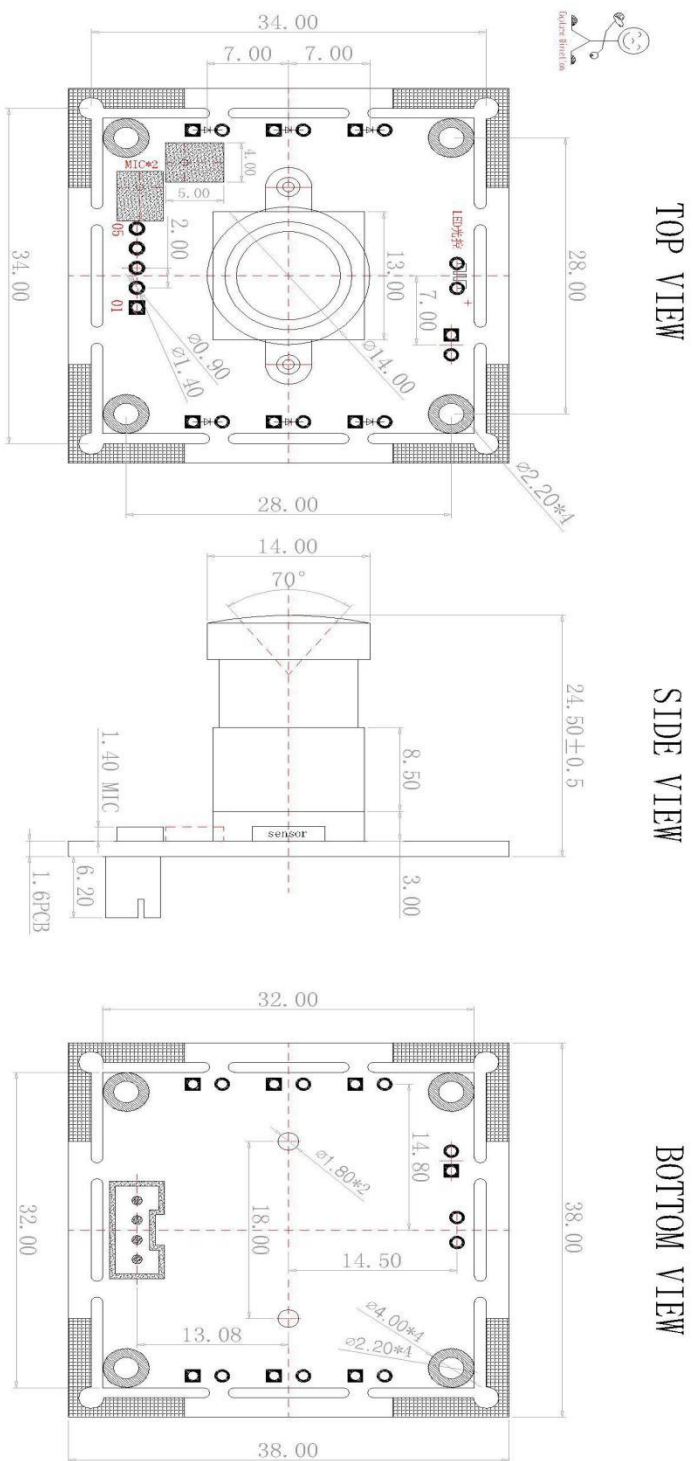


1. Key Specifications (主要规格)

Module No.	HIS-8716
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	8.0Megapixels
View Angle	75° (Distortionless)
interface	USB 2.0
Power suuply	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	IMX274 (1/3.2)
Seneor Package	CSP,Bare Die
Maximum resolution	3264x2448/7FPS
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 MJPEG 2952x1944 7FPS / YUY2 2952x1944 7FPS MJPEG 3264x2448 7FPS / YUY2 3264x2448 7FPS
S/N Ratio	50db
Max Dynamic Range	72.5db
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 (°)	70°
TV Distortion	<-9.5%
F. Number	2.3

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

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

Lens Specification

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