

样品规格承认书

SAMPLE APPROVAL SHEET

客户 (Customer): _____

客户产品编号: (NO): _____

产品品名 (Description): 1080P USB Camera Module

产品型号 (Model): SXHD6735-V2.1

送样日期 (Submission Date): 2021.03.28

样品确认, 请签字并盖章, 签回我司一份, 谢谢!

客户确认:

工程部确认	采购部确认	审核签章

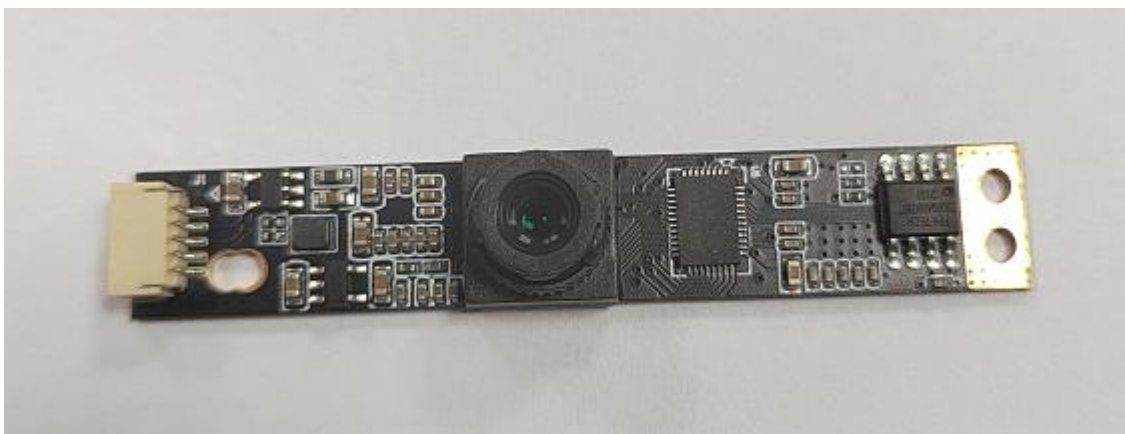
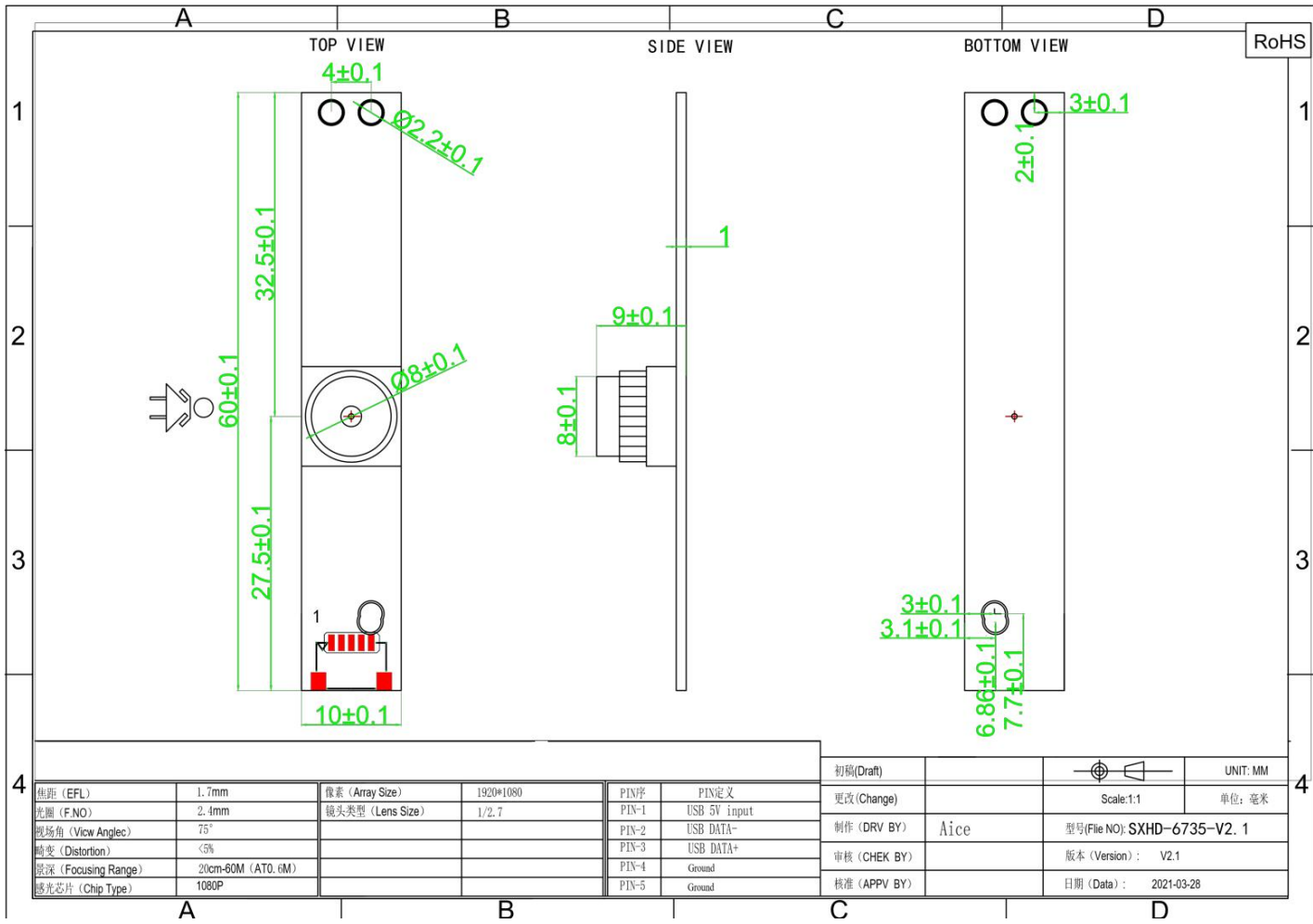
供应商确认:

工程部确认	市场部签章	制作/日期
刘胜明		2021.03.28

1、General

Features, the new USB camera module no longer needs to be equipped with any external devices, and can be easily used in the design of video products such as all-in-one machines, advertising machines, ATM equipment, face recognition systems, industrial vision sensor all-in-one machines, etc. Reduced time-to-market for designers.

2、Module Drawing



3、Parameters

Item	Technology	Note
Hardware Pixel	200W 1080P	Free Driver
DSP Solution	*	
Image Sensor	1080P 1/2.7	
Image dynamic image resolution and transmission rate	1920*1080/30fps 1280*1024/30fps 1280*720/30fps 1280*800/30fps 800*600/30fps 640*480/30fps	MJPEG
Captured image resolution	1920*1080 OR Other	Or Software setting
Debug focal length	60cm	
Lens Optical Structure	4P	Or depends on customer require
Field of view(D)	75° ±5°	Or depends on customer require
Aperture Distortion	F2.4 <= 1%	Or depends on camera details
Relative Illuminance	65%	
Brightness	Auto	
Contrast	Auto	
Tone	Auto	
Saturation	Auto	
Clarity	Auto	
Gamma	Auto	
White Balance	Auto	
Backlight Contrast	Auto	
Exposure Control	Auto	
Color space/Compression	YUY2/MJPG	
Number of output pins	5Pin(pitch 1.0)	
Work Voltage	5V	
Out Dimension	50mm*9mm *6mm Height determined by lens	
Work Temperature	-20° C~70° C	
OS Support	Win 2 00 0、 Win X P、 Win 7 o r Linux2 .6 .20 or higher version	Support UVC Protocol

4、Define

Pin	Item	I/O	Function Define
1	USB_5V	P	USB 5V input
2	USB_D-	I/O	USB DATA-
3	USB_D+	I/O	USB DATA+
4	GND	P	GND
5	Earth Shield	P	GND

5、Others

Optical Performance Inspection Requirements				
NO.	Test items	Requirements	Test Method	Failed level
1	Dust	In the white field, the image is obtained, and the visual inspection of the whole screen is not allowed to have visible foreign objects.	Test tool, Small light Box(with 6500K White Backlight)	A
2	Imaging Direction	Match Drawing	Test tool	A
3	Dead & Wound-pixel	1) In the dark field: the total number of bright spots is less than 400 pixels; the cluster bright spots of 2 adjacent pixels are less than 20; there are no cluster bright spots with more than 3 pixels. 2) In the white field: the total number of dark spots is less than 400 pixels; the clustered dark spots of 2 adjacent pixels are less than 20; there are no clustered dark spots with more than 3 pixels.	Test tool, Small light Box(with 6500K White Backlight)	A
4	Resolution	1MP: the center is not less than 600LW/PH	MTF test software	A
5	FOV	Horizontal Vertical Diagonal	Test tool field of view target	A
6	Shading	The average brightness at 90% of the test field from the center of the four corners is at least 45% of the center test field brightness; the brightness of each corner is more than 35% of the center brightness (the sampling frame size is 40*40 pixels, and the sensor vignetting compensation function is not turned on).	Test tool, Small light Box(with 3400lux, 6500K White Backlight)	A
7	Color	The error of color reproduction is not more than 20%	Test software, color check card	A
8	TV distortion	Pincushion distortion (positive number) or barrel distortion (negative number) is less than 1%	Test software IS012233 Standard board	A

9	Grayscale	The difference in luminance between two adjacent gray-scales must be less than 8	Test Software, Grey standard board	A
10	CA	less 0.5	Test software IS012233 Standard board	A
11	Torsional	$\geq 1\text{kgf.cm}$	Torque handle	A
12	Thrust	$\geq 2\text{N}$	Thrust gauge	A

6. Reliability Test

1	Welding	Substrate can withstand temperatures for $280 \pm 20^\circ\text{C}$
2	Push tensile test	Push pull a value greater than 3.5Kgf
3	Drop test	100CM at present level, Every surface, Angle fall after 10 times the normal function testing
4	Torsion test	Torque values greater than 1.5Kgf.cm
5	ESD test	2-6K_V, Air discharge
6	Vibration test	In 3axis 50Hz, 60 minutes/axial, under the condition of normal function testing
7	High low temperature cycle test	Temperature - 20°C in 2H, 5MIN conditions within the storage temperature 70°C to convert to conditions for a storage 2H, 4H, total circulation 12 times cycle 48H, functional testing, test appearance, comply with the requirements
8	High temperature and high humidity test	65°C , humidity in temperature 90% RH condition test for 48 hours, a functional test normal, appearance conforms to the requirement

7. Packing

