



SPECIFICATION

Image Sensor	1/4" CMOS OV9732
Pixel Size	3um(H) x 3um(V)
Resolution	1.0 Megapixel 1280H x 720V
Output Format	MJPEG, YUV2
FOV	Default 72 degree, more view angle for your option
Lens	EFL:3.5mm F/NO:2.2mm
Focus type	Fixed focus
Shutter type	Electronic Rolling shutter
Additional function	Built in IR-CUT
Protocol & Connection	Plug & Play, UVC compliant
Output & Power Supply	USB2.0
Power Socket	5P 1.0mm socket
Supported OS	Win XP/Vista/Win7/Win8/Win10 MAC OS X EI Capitan 10.11.4, Linux /Android, Wince with UVC

Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure
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Cable length Default 1m USB cable

Module Size	38*38 mm
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WORKING CONDITION

Power Consumption USB DC +5V Supply

Operating Temperature	-20° ~ +70°
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Storage Temperature -40° ~ +85°

Humidity	80 ~85%
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FORMAT	RESOLUTION	FRAME RATE	
		USB3.0	USB2.0
MJPEG	1280X720 (720P)		30fps
	800x600 (WVGA)		30fps
	640X480 (VGA)		30fps
YUY2	1280X720 (720P)		5fps
	800x600 (WVGA)		5fps
	640X480 (VGA)		30fps

PRODUCT DIMENSION

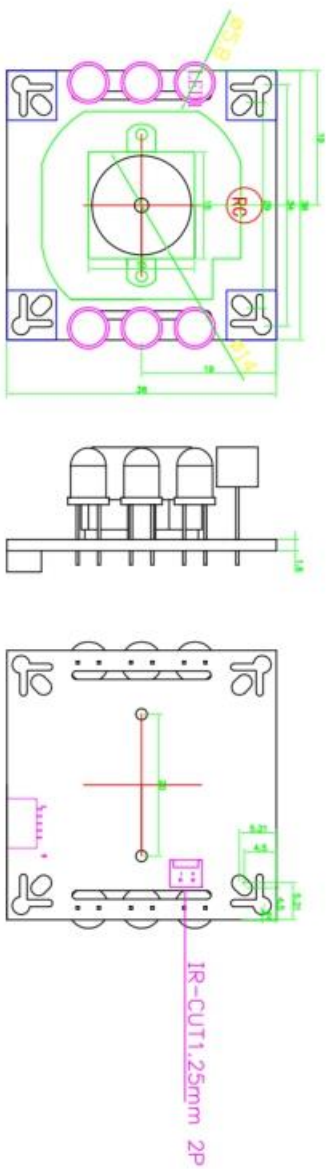
REV.	DATE	DESCRIPTION	ENG.	Approved:

TOP VIEW



SIDE VIEW

BOTTOM VIEW



CONNECTOR
SPLIN DESCRIPTION

NO.	SYMBOL
1	5V
2	D-
3	D+
4	GND
5	GND

Image source	09878 1/4	Lens Construction	6P	Model name:				Version:	
Active Fields	View Angle	2° ±2°	7° ±2°					A	B
Analogue	F/No.	2.2±0.15	3.98±0.15	+0.03	+0.05	+0.10	+0.15	+0.10	+0.15
L/O	Focal Length	3.98±0.15	< ∞	+0.05	+0.10	+0.15	+0.20	+0.15	+0.20
Case	TV Distortion			+0.1%	+0.15%	+0.2%	+0.25%	+0.1%	+0.15%

Level Dist	A	B	C	D
0-5	+0.03	+0.05	+0.10	+0.15
5-10	+0.05	+0.10	+0.15	+0.20
10-50	+0.10	+0.15	+0.20	+0.25
50-100	+0.15	+0.20	+0.25	+0.30
100-	+0.1%	+0.15%	+0.2%	+0.25%

Draw by:	Date:
Approved by:	Date:
Projection:	Use mm
	Scale 1:1