EV2U-SGR1
USB2.0 Fixed Focus Camera Module

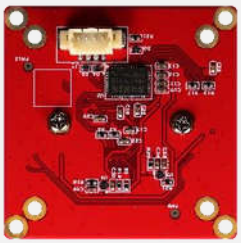



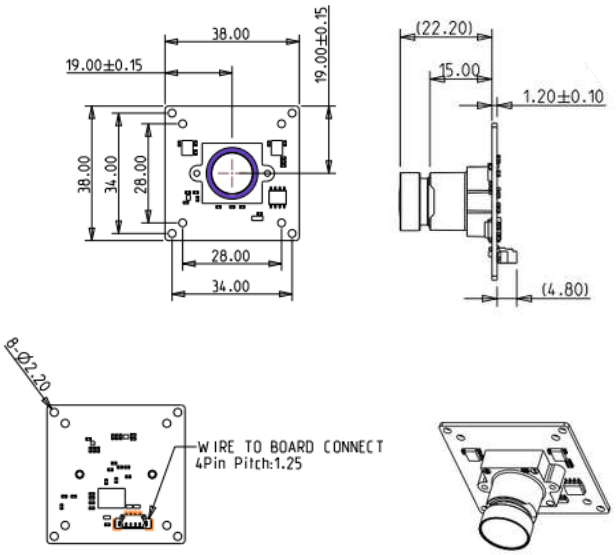
Image orientation

Features

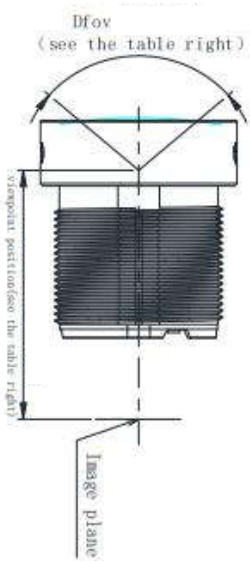
- 1920x1080@30fps
- Lens D/H/V FOV:121°/102°/54°
- Low light condition
- OS Support: Windows, Linux, Android, MacOS (UVC)
- Compliant to USB2.0 and USB Video Class
- Complies with CE/FCC Class A

Mechanical Drawing

Mechanical Drawing



Lens Specification



Items	Specification
F No.	1.6±10%
Focal Length	3.28±5%
Optical Back Focal Length	6.83±0.2mm (in air)
Mechanical Back Focal Length	6±0.2mm (in air)
TTL	22.27±0.2mm (in air)
Image Circle	Φ7 (MAX)
Lens Structure	2G4P
Mount	M12*P0.5
DFOV	121°

Specifications

Resolution	1920x1080 @ 30fps
Output I/F	USB2.0
Power consumption	Approximate 1W
Dimension (WxLxH)	38 x 38 x 22.2 mm
Operating Temp.	-20°C ~ +70°C
Sensor Size	1/2.9”
Pixel Size	2.8um
Lens type	Fixed focus (M12)
Lens D/H/V FOV	121°/102°/54°
OS Support	Windows, Linux, Android, MacOS

Order information

EV2U-SGR1-MMC1-C1
USB2.0 Fixed Focus Camera Module
7W2000000150
USB2.0 cable 1 meter, 4 pins, pitch 1.25mm

Cable appearance



Headquarters (Taiwan)
5F., No. 237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +886-2-7703-3000
Email: sales@innodisk.com

Branch Offices:
USA
usasales@innodisk.com
+1-510-770-9421
Europe
eusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-2167-3689

www.innodisk.com

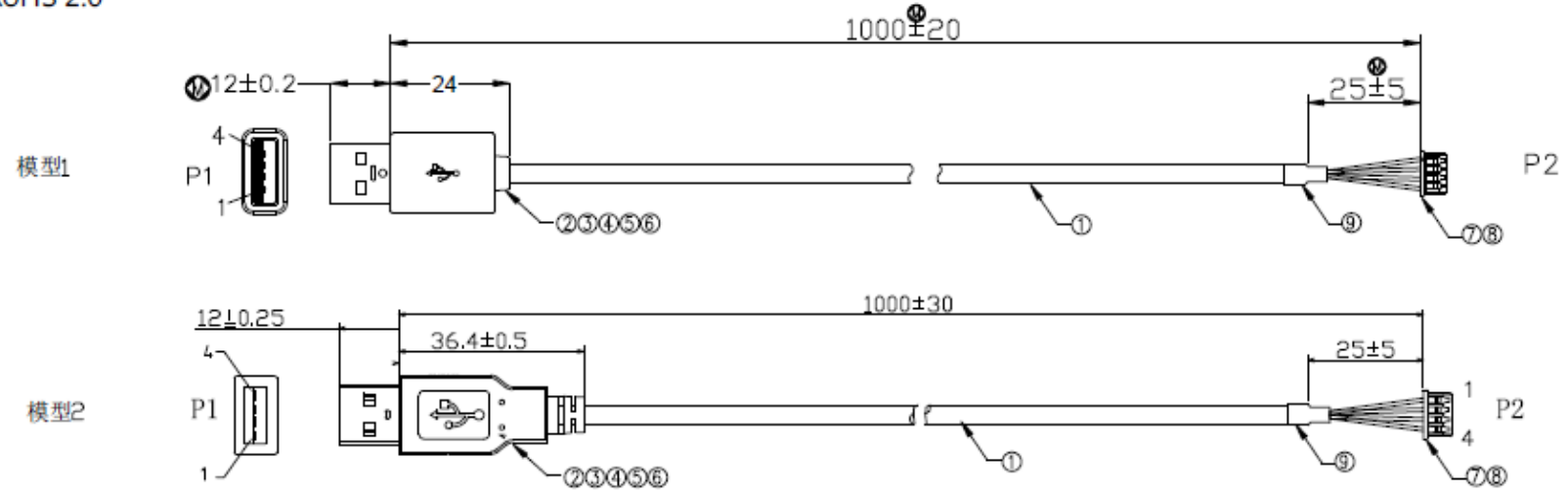
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February 22, 2023

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USB2.0 Cable Drawing

RoHS 2.0



由於客戶要求線材外被耐溫須達105度C,線材UL規格無法印字為105度，但實機測試線材外被符合105度

ELECTRONIC TEST:
1.100% TEST FOR OPEN,SHORT,MISS WIRE
2.CONTACT RESISTANCE: 3ΩMax
3.INSULATION RESISTANCE: 10MΩMin
4.HI-POT TEST: 300V DC/10ms

NO.	NAME	SPECIFICATION	Q'TY	UNIT
9	TUBE	HEAT SHRINK TUBING COLOR: BLACK ø4*15mm	1	PCS
8	TER	TERMINAL ACES P/N: 85206-T-4	4	PCS
7	HSG	1*4P HSG 1.25 PITCH WHITE ACES P/N: 50276-004H0H0-001	1	PCS
6	MOLDING	LDPE P/N: NA208	N/A	G
5	MOLDING	PVC 45P BLACK	N/A	G
4	CONN	GWO JINN P/N: MC-UB0ASPN85	1	PCS
3	CONN	GWO JINN P/N: MC-UB0ASPN84	1	PCS
2	CONN	GWO JINN P/N: UB-ASP-KS-0039	1	PCS
1	CABLE	UL2725 28#*1P+28#*2C+AEB OD: 3.5mm USB 2.0 COLOR: BLACK	1	PCS

接线表

P1	颜色	P2
1	红色	1
2	白色	2
3	绿色	3
4	黑色	4



Rev.	Revision Description	Date	Prepared
A	Initial issue.	12-15-22'	MOYUNLIN

QUALITY SYMBOLS
MAJOR ◎
CRITICAL ○

GENERAL TOLERANCES (UNLESS SPECIFIED)
X ±.50
.X ±.30
.XX ±.10
.XXX ±.05
ANGLE ±1°

DRAWN BY MOYUNLIN DATE 12-15-22'
CHECKED BY DATE
APPROVED BY DATE

UNITS mm
SCALE 2:1
SHEET NO. 1OF2

IMEX INC.

TITLE
CABLE USB 2.0 T0 CONN. 4 PIN PITCH 1.25mm, L=1000mm

SIZE A4
REV A
RFQ NO.
USE ON: 7W2000000150
PART NO. 60-6563-340-FA

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