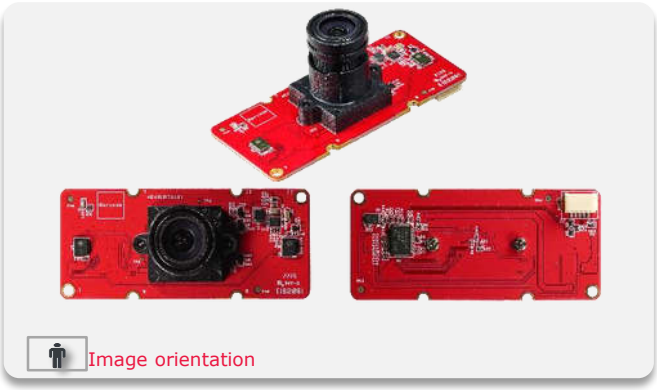
EV2U-RMR2

USB2.0 Fixed Focus Camera Module

Preliminary

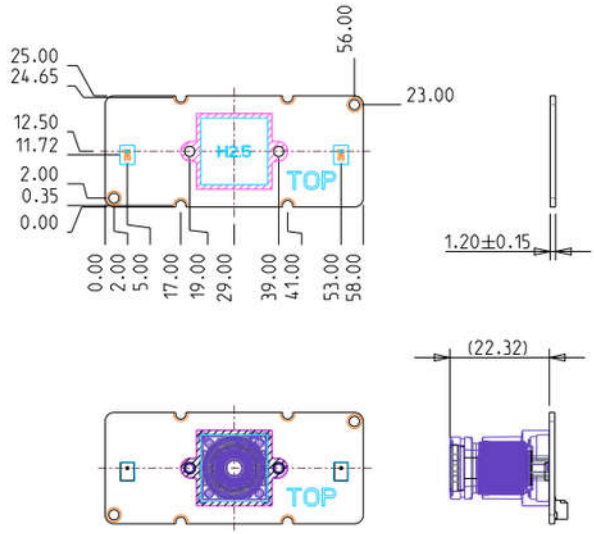


Features

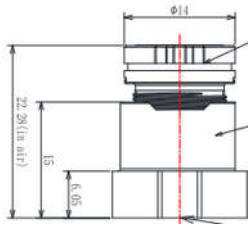
- 1920x1080@30fps
- Lens D/H/V FOV:86°/72°/38°
- HDR
- OS Support: Windows, Linux, Android, MacOS (UVC)
- Compliant to USB2.0 and USB Video Class
- Complies with CE/FCC Class A

Mechanical Drawing

Mechanical Drawing



Lens Specification



Items	Specification
F No.	2.2±10%
Focal Length	3.2±5%
Optical Back Focal Length	5.11±0.1mm (in air)
Mechanical Back Focal Length	4.7±0.2mm (in air)
TTL	22.28±0.2mm (in air)
Image Circle	Φ5 (MAX)
Lens Structure	1G3P
Mount	M12*P0.5
DFOV	86°

Specifications

Resolution	1920x1080 @ 30fps
Output I/F	USB2.0
Power consumption	Approximate 1W
Dimension (WxLxH)	58 x 25 x 22 mm
Operating Temp.	-20°C ~ +70°C
Sensor Size	1/4”
Pixel Size	2 um
Lens type	Fixed focus (M12)
Lens D/H/V FOV	86°/72°/38°
OS Support	Windows, Linux, Android, MacOS

Order information

EV2U-RMR2-MMC1-C1
USB2.0 Fixed Focus Camera Module
7W2000000160
USB2.0 cable 1 meter, 5 pins, pitch 1mm

Cable appearance



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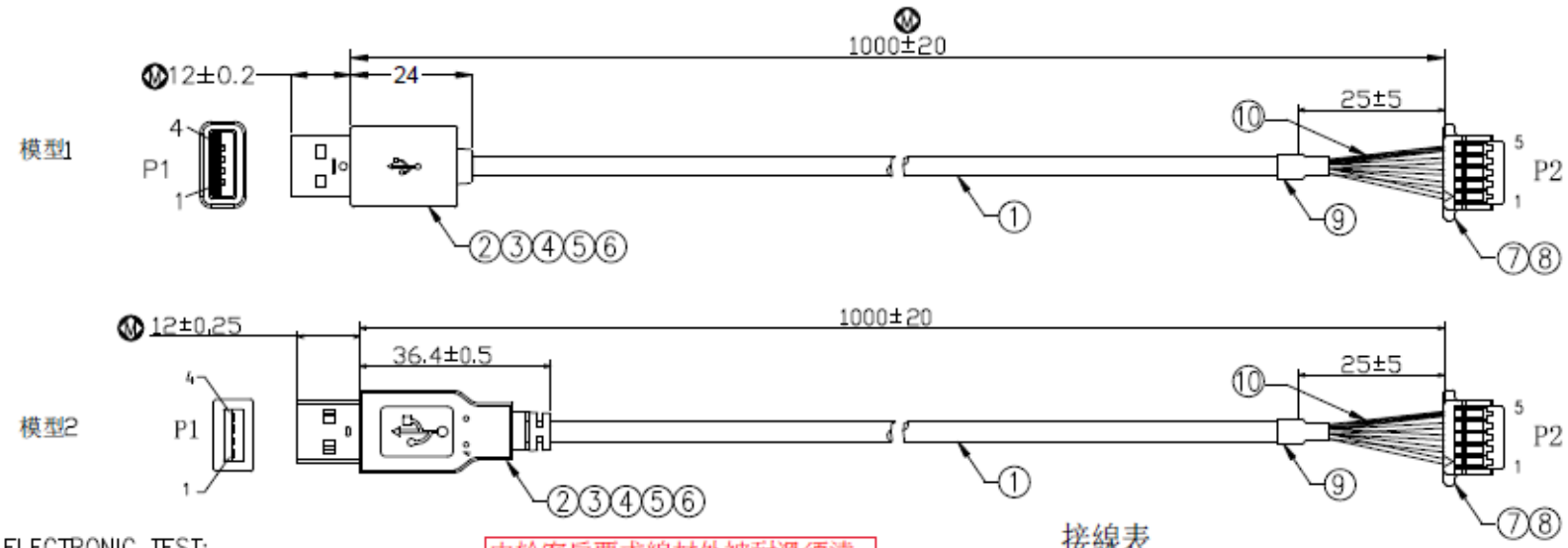
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February 22, 2023

USB2.0 Cable Drawing
innodisk
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RoHS 2.0



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

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

NO.	NAME	SPECIFICATION	Q'TY	UNIT
10	TUBE	HEAT SHRINK TUBING COLOR: BLACK ø0.8*27mm	1	PCS
9	TUBE	HEAT SHRINK TUBING COLOR: BLACK ø4*15mm	1	PCS
8	TER	TERMINAL ACES P/N: 87214-W-L	5	PCS
7	HSG	1*5P HSG 1.0 PITCH WHITE ACES P/N: 50233-005H0H0-001	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

接線表

P1	顏色	P2
1	紅	1
2	白	2
3	綠	3
4	黑	4
SHELL	地	5



Rev.	Revision Description	Date	Prepared
A	Initial issue.	12-29-22'	MOYUNLIN

QUALITY SYMBOLS
MAJOR
CRITICAL

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

DRAWN BY MOYUNLIN DATE 12-29-22'
CHECKED BY DATE
APPROVED BY DATE

UNITS mm
SCALE NONE
SHEET NO. 1OF2

IMEX INC.

TITLE
CABLE USB 2.0 TO CONN. 5 PIN PITCH 1.0mm, L=1000mm

SIZE A4
REV A
RFQ NO.
USE ON: 7W2000000160
PART NO. 60-6563-350-FA

2018.09.27_REV.10