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13826510318
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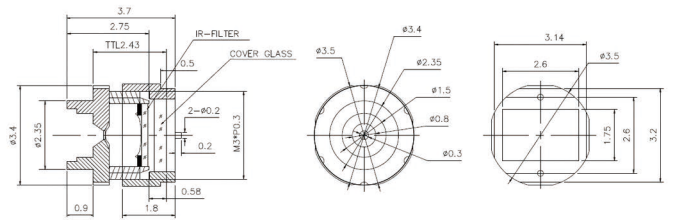
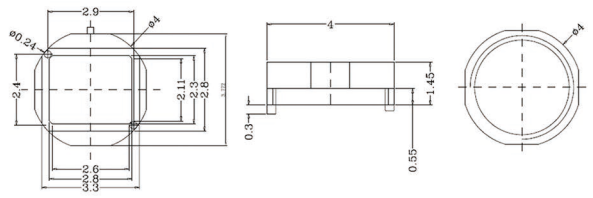
Miniature color cameras

Unit:mm

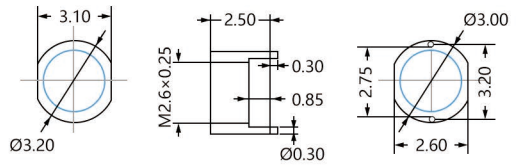
M-21(X)1E [X=N/R/Q/Y]



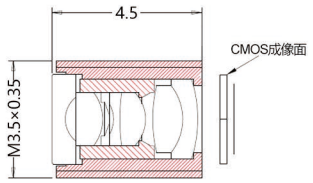
M-21(X)3E [X=N/R/Q/Y]



M-21(X)6E [X=N/R/Q/Y]

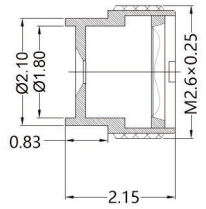


M-21N11E [X=N/R/Q/Y]

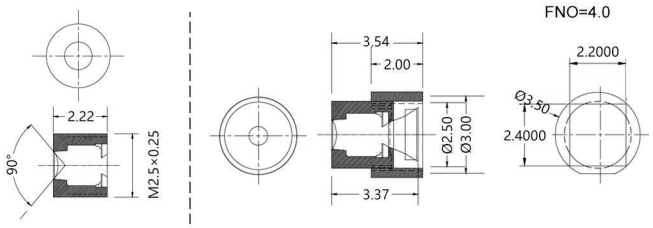


(NO LED;Add LED Ø > 4mm)

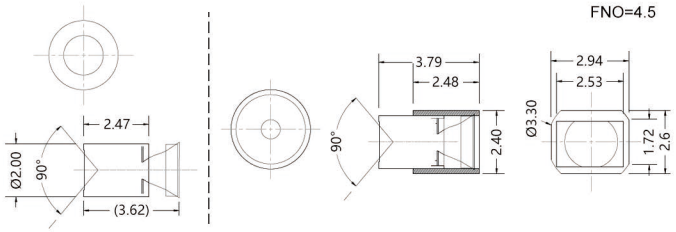
M-21(X)9E [X=N/R/Q/Y]



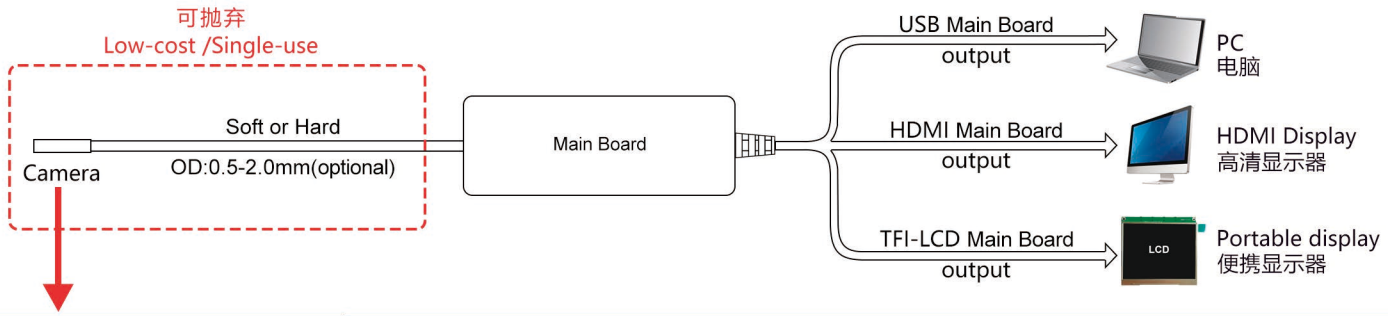
M-21(X)5E-1 [X=N/R/Q/Y]



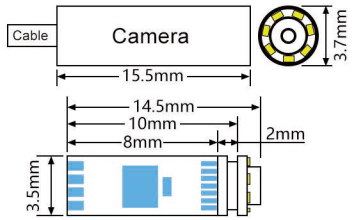
M-21(X)5E-2 [X=N/R/Q/Y]



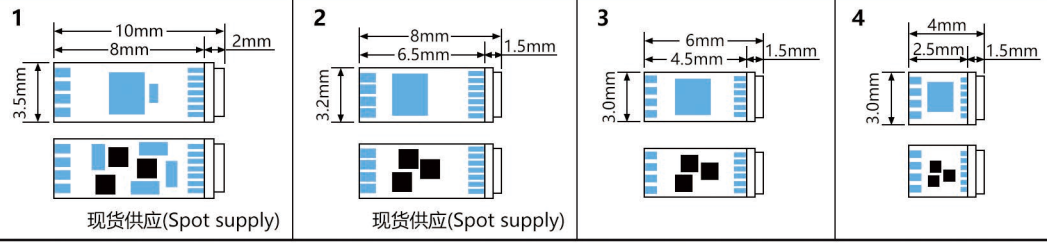
USB signal HDMI signal TFI-LCD signal

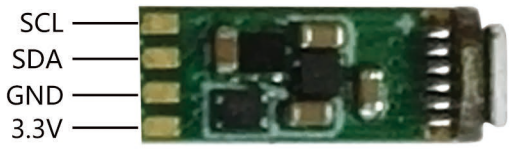


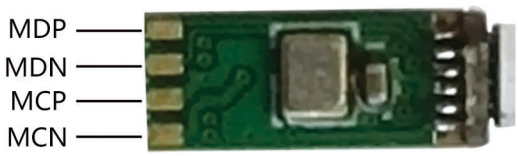
Camera



Camera length







1.本产品采用OV9734的芯片，镜头外径 3.2mm~4.0mm

2.输出信号为MIPI接口，输出定义见输出接口图

3.Led采用0201封装的白光灯(5500K,10000K可选)

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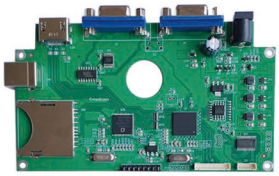
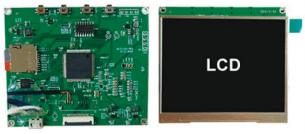
Miniature color cameras

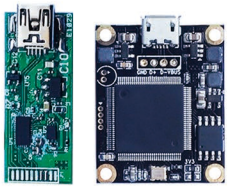
HDMI Main Board



TFI-LCD Main Board



USB Main Board

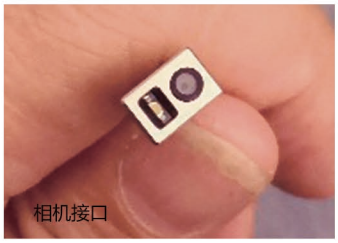


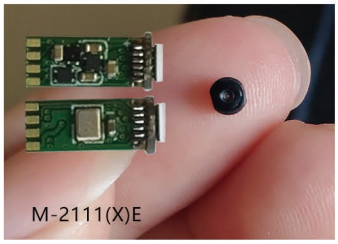
说明 (Specification)

型 号 Model	M-21(X)1E	M-21(X)3E	M-21(X)6E	M-21N11E	M-21(X)9E	M-21(X)5E-1	M-21(X)5E-2
外 径 Outer dimensions	3.5mm	3.9mm	3.2mm	3.7mm	3.2mm (LED Ø3.4mm)	3.5mm	3.3mm
长度(带镜头) Lenght(including optics)	14.5mm	12.8mm	13.8mm	15.5mm	13.15mm	14.5mm	14.8mm
像 素 Pixel size	1.4um×1.4um						
传感器 Sensor	OV9734						
分辨率 Resolution	100万像素[720P]						
线径(可定制) Cable diameter(optional)	1.4mm						
线长(可定制) Cable length(optional)	5m(0-5m)						
帧 率 Frame rate	30fps						
视 角 Field of view	62°	80°	103°	140°	120°	90°	90°
景 深 Depth of field	10-60mm	20-80mm	3-50mm	3-100mm	10-90mm	5-110mm	5-100mm
扫描模式 Scan mode	逐行扫描[Progressive]						
工作温度 Operating Temperature	-30°C to +85°C						
补 光 Illumination	无/Led/光纤照明 NO/Led/FlexLed			无 NO	无/Led/光纤照明 NO/Led/FlexLed		
视频接口 Video processor	HDMI/USB/TFT-LCD(可选)[HDMI/USB/TFT-LCD(optional)]						

M-211(X)E

[Medical 316L / Industrial 304]
钢套(steel sleeve)


相机接口


M-2111(X)E

型 号 Model	NO LED	LED (x4)	NO Dimmer Switch	外 径 Outer Dimensions	线 径 Cable Diameter	线 长 Cable Length	像 素 Pixel size	景 深 Depth of field	角 度 Field of view	现 货 Spot supply
M-21(X)1E			•	3.5mm	1.4mm	5m (0-5m)	1.4umX1.4um	10-60mm	62°	√
M-21(X)3E			•	3.9mm	1.4mm	5m (0-5m)	1.4umX1.4um	20-80mm	80°	√
M-21(X)6E			•	3.2mm	1.4mm	5m (0-5m)	1.4umX1.4um	3-50mm	103°	√
M-21(X)5E-1			•	3.5mm	1.4mm	5m (0-5m)	1.4umX1.4um	5-110mm	90°	√
M-21(X)5E-2			•	3.3mm	1.4mm	5m (0-5m)	1.4umX1.4um	5-100mm	90°	√
M-21(X)9E			•	3.2mm (Led Ø3.4mm)	1.4mm	5m (0-5m)	1.4umX1.4um	10-90mm	120°	√
M-21N11E	•		•	3.7mm	1.4mm	5m (0-5m)	1.4umX1.4um	3mmX100mm	140°	√

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型 号 Model	NO LED	LED (x4)	NO Dimmer Switch	外径 Outer Dimensions	线径 Cable Diameter	线长 Cable Length	像 素 Pixel size	景 深 Depth of field	角 度 Field of view	现 货 Spot supply
M-21(X)2E			•		1.4mm	5m (0-5m)	1.4umX1.4um		76°	※
M-21(X)4E			•		1.4mm	5m (0-5m)	1.4umX1.4um		88°	※
M-21(X)7E			•		1.4mm	5m (0-5m)	1.4umX1.4um		107°	※
M-21(X)8E			•		1.4mm	5m (0-5m)	1.4umX1.4um		112°	※
M-21(X)10E			•		1.4mm	5m (0-5m)	1.4umX1.4um		124°	※
∘ ∘ ∘ ∘ ∘ ∘										

√现货供应(Spot supply)　　※ 无现货，需提前预订。(No stock available, need to book in advance.)

M-21N11E-1
① ②③④ ⑤ ⑥ ⑦

① Connector		② Camera appearance type		③ Camera length		④ Illumination		⑤ Field of view		⑥ Sensor		⑦ Same Angle, different lens	
U	USB 2.0 A type	1	Board type (module)	1	10mmx3.5mm	N	No light type	1	62°	A	OV6948	1	1 type
M	Micro USB type	2	Tube type	2	8mmx3.2mm	R	white LED x4	2	76°	B	OV6946	2	2 type
B	USB type	3	Snake type (with LED light)	3	6mmx3.0mm	Q	White LED x7	3	80°	C	OV6930	3	3 type
T	TFT LCD type			4	4mmx3.0mm	Y	FlexLed	4	88°	D	OHO1A10	4	4 type
H	HDMI/SDI/VGA type					X		5	90°	E	OV9734	5	5 type
P	MIPI type							6	103°	F	OV2740	6	6 type
O	Single OVM lens							7	107°	G	OV2741		
S	Professional DSP							8	112°	H	OV10823		
Z	SHDMI type							9	120°	IK	TOSHIBA		
								10	124°				
								11	140°				
						X=N/R/Q/Y							