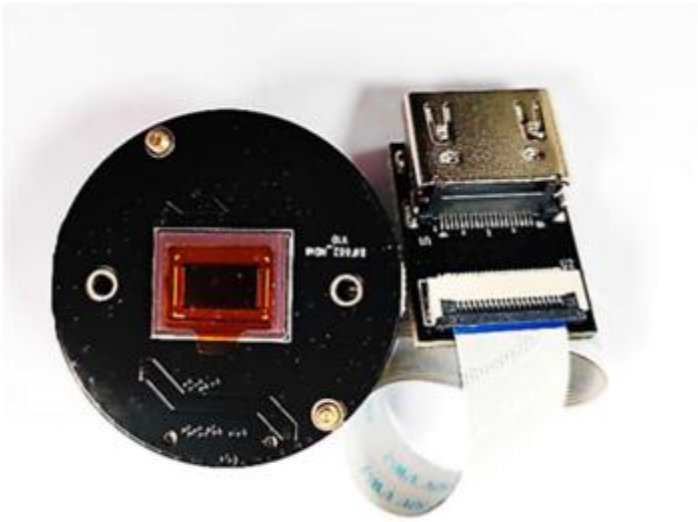


Plate and machine specifications

Specification description: Full HD 32 X 32 HDMI _ SDI motherboard EN 781F + IMX 662

Model number: EN 781F + IMX 662_3232

major function		
▪ 2D + 3D	▪ The HDMI / SDI dual output	▪ s White
▪ noise	▪ The UART communication protocol	▪ 1080p
▪ reduction		



authoriz ed strength	examine and verify	ratify

	EN 781F +IMX 662_3232	date	2024-03-06	2/4
		edition	V 1.0	



The HDMI / SDI 32X 32 plate
SONY IMX 662+EN 781F

functional
characteristics

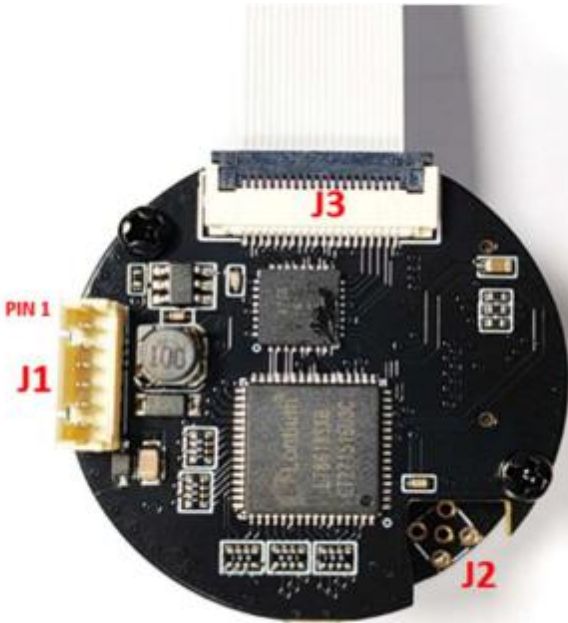
- 1. 1/2.8' 2.4M SONY STARVIS 2 CMOS
- 2. Resolution :
1080P_30/60FPS
- 3. Support HDMI and SDI,
and output 4. low illumination
- 6. Support for electronic
amplification and frame
accumulation function
- 7. 2D and 3D noise reduction
- 8. Fog transmission function
- 9. Privacy shading function
- 12. Support external GPIO
control FREEZE and one-
button white balance.
- 13. The menu interface can be
customized according to customer
requirements.
- 14. Support UART / RS 485
communication protocol, control
menu and internal registers

technical parameter

	name	HDMI + SDI
graph like nes s	Resolu tion	1080P_30/60FPS
	imaging sensor	1/2.8' 2.4M SONY IMX 662-AAQR STARVIS 2 CMOS 2.9um (H)*2.9um (V)
	Total pixel	2014(H)×1196(V)
	Effective pixel	1965(H) × 1113 (V)
	scanning mode	line by line scan
	video monitor 525 vidicon video out	HD at 1080P HDMI The HD 1080 PSDI
	noise-signal ratio	≥50dB (AGC OFF)
	minimal illumination	.00Color: 01 Lux @ (F1.2, AGC ON) Black and white: 0.0001 Lux @ (F1.2, AGC ON)
ex plo it abi lity	Day and night switch	Automatic, color, black and white, external controls
	white balance	Automatic / one-click white balance
	denoise	2D + 3D noise reduction
	Wide Dynamic	Close / open
	Through the fog	Close / open
	IRI S	Automatic, manual
	Privacy cover	Close / Open (16 zones)
	Transfer detection	Off / open (4 zones)
	Highlight compensation	support
ins tru me nt for dra win g circ	RS 485 / UART communication	Support RS 485 communication or UART, control the internal registers
	Operating temperature and humidity	-30°C ~ + 70°C, humidity is less than 95% (no condensation)
	storage temperature	-20°C~+85°C
	power suppl	DC 12V ±10%
	power dissipation	1.5W MAX

les pat ter n		
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Connector description



J 1(6PIN Pitch 1.25mm)

序号	名称	描述
1	12V	DC POWER 12V
2	GND	GROUND
3	KEY IN	AD KEY INPUT
4	GND	GROUND
5	GPIO1	GPIO FUNCTION
6	GPIO2	GPIO FUNCTION

J 2(6PIN Pitch 1.25mm)

序号	名称	描述
1	SDI OUT+	SDI OUTPUT
2	SDI OUT-	SDI OUTPUT

J 3(20P FPC Pitch 0.5mm)

序号	名称	描述
J3	HDMI OUTPUT	HDMI OUTPUT