
Radxa Camera 13M 214

For Radxa

Revision 1.0

2025-08-01



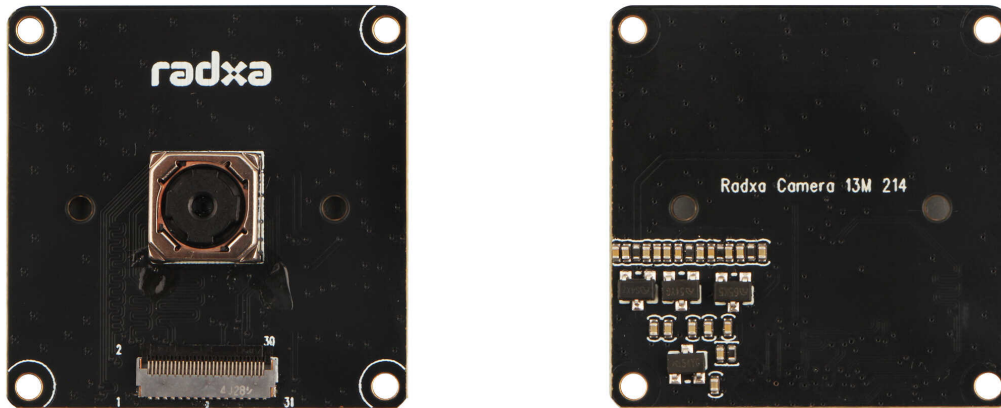
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1 Revision Control Table

Version	Date	Changes from previous version
1.0	2025-08-01	First Version

2 Overview



The Radxa Camera 13M 214 is a high-performance camera designed specifically for the Radxa single board computer. It adopts the Sony IMX214 image sensor and can meet various shooting requirements.

It has excellent pixels and a clear picture. Whether it's daytime or night, it can take high - quality photos. It reacts quickly when capturing moments and won't miss any wonderful instants. In terms of video shooting, it supports high - definition recording, with smooth pictures, rich colors and details, making it suitable for shooting sports scenes and making short videos. In image acquisition, video surveillance, and visual application development, it can stably provide reliable image data. Whether it's for individuals to record daily life or for professional developers to carry out projects, it is an ideal choice and can bring a satisfactory user experience.

3 Specification

IMX214 Sensor

- Image size: Diagonal 5.867mm(Type 1/3.06)
- Single Frame High Dynamic Range(HDR) with equivalent full pixels
- Imaging Performance
 - Full resolution@30fps(Normal/HDR)
 - 4K2K@30fps(Normal/HDR)
 - 1080P@60fps(Normal/HDR)
- Number of active pixels: 4208 (H) * 3120 (V) approx. 13.13 M pixels

Lens Specs

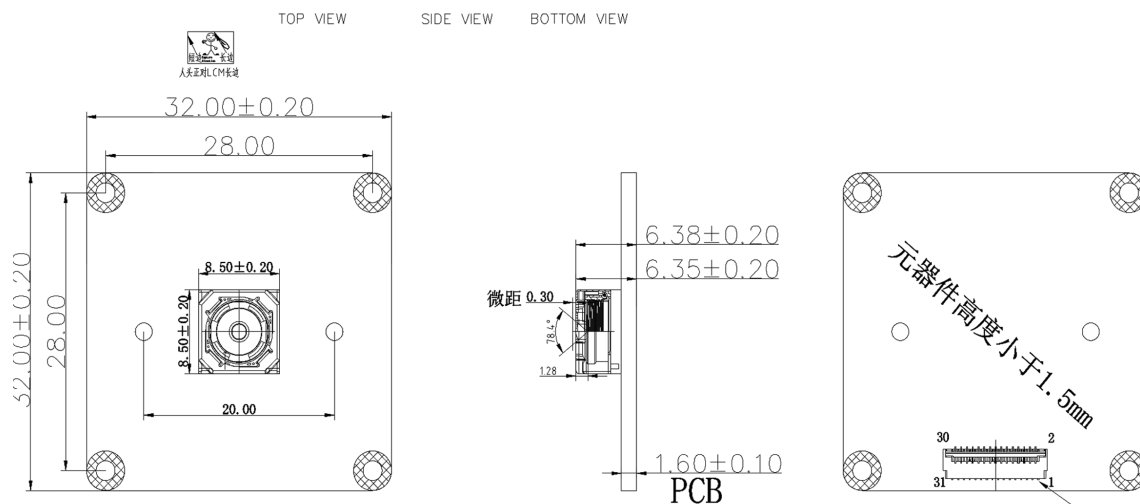
- FOV:
 - Vertical: 51.6°
 - Horizontal: 66.2°
 - Diagonal: 78.4°
- EFLm: 3.57
- FNO: $2.0 \pm 5\%$ (INFINITE)
- TV-Distortion(Traditional*2): $< 1.5\%$

Interface: 4-lane MIPI CSI

Default FPC cable

- length: 150 mm
- Compatible with Radxa NIO 12L and Radxa ROCK 4D

4 Physical specifications



Note: all dimensions in mm

5 Pin Definition

Pin	Signal	Pin	Signal
1	DGND	17	MCN
2	MDN3	18	MCP
3	MDP3	19	DGND
4	DGND	20	MCLK
5	MDN2	21	DGND
6	MDP2	22	NC
7	DGND	23	PWDN / NC
8	NC	24	SCL
9	NC	25	SDA
10	DGND	26	NC
11	MDN1	27	RESET
12	MDP1	28	VCC3.3V
13	DGND	29	VCC3.3V
14	MDN0	30	VCC5V
15	MDP0	31	VCC5V
16	DGND	32	

6 Availability

Radxa guarantees availability of the Radxa Camera 13M 214 until at least September 2030.

7 Support

For support please see the hardware documentation section of the [Radxa Document](#) website and post questions to the [Radxa forum](#).