



V1.1

## **Industrial color low-light imager**

Specification

# A1D-X-2MP

## General Introduction

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A1D-X-2MP series were industrial color low-light camera that developed by Link-Card Tech, include HDMI, SDI and AHD/TVI/CVBS/CVI three modules. They use ASIC solution, equipped with a 1920x1080 resolution BSI NIR CMOS sensor which has low illumination, low consumption and high sensitivity. The image processing unit uses ARM+DSP Soc solution, It can meet the requirements of high-resolution and high-frame rate low-light image processing.

These products supports specific algorithms for low-light image processing, built-in GUI, brightness, contrast and sharpness are adjustable, integrated compass and motion Sensor, it can be use on Industrial monitoring, outdoor, scope etc.

## Features

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- ◆ BSI NIR CMOS sensor SC2210/IMX482
- ◆ Integrated Compass and Motion Sensor
- ◆ Supports Reticle, Digital Zoom
- ◆ Integrated GPIO Button for adjustment
- ◆ Power Supply 5V DC, Type-C Port
- ◆ HDMI, AHD, SDI output
- ◆ USB (UVC driver-free) output
- ◆ Fastboot

## Applications


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Outdoor, scope, Industrial monitoring.

## Parameters


	Model	A1D-X-2MP	
<b>Detector</b>	Detector Type	BSI NIR CMOS	
	Detector Model	SC2210	IMX482
	Resolution	1920 x 1080	
	Optical Format	1/1.8	1/1.2
	Pixel Size	4μm	5.96μm
	Frame Rate	25Hz/50Hz	
	IOS	0.0001 Lux	
<b>Image</b>	Exposure Compensation	Supported	
	Image Mode	Day/Dusk/Night	Color
	Color Adjust	Supported	
<b>Function</b>	Motion Sensor+Compass+PIP	Supported	
	Digital Continue Zoom	4.0~16.0×	
	Button	Up, Down, Left, Right, Menu button	
<b>Output Port</b>	A1D-HDMI-2MP	HDMI, Type-C	
	A1D-AHD-2MP	MCX, Type-C	
	A1D-SDI-2MP	MCX, Type-C	
<b>Output Resolution</b>	A1D-HDMI-2MP	1920 x 1080	
	A1D-AHD-2MP	1920 x 1080	
	A1D-SDI-2MP	1920 x 1080	
<b>USB Output</b>	USB (UVC) Output Resolution	1920 x 1080	
<b>Electrical Parameters</b>	Power Port	USB Type-C	
	Power Supply	5V DC	
	Power Consumption	≤2W	
<b>Other</b>	Lens	M29 x 0.5	
	Dimension(No lens)	/	
	Weight(No lens)	32 x 32 mm	
<b>Environment Adaptability</b>	Operating Temperature	-20°C~60°C	
	Storage Temperature	/	
	Humidity	/	

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