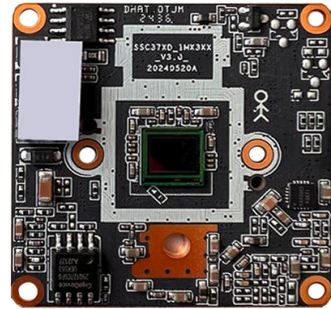


## IMA50L12D 5MP Dual light IPC Module



IMA50L12D is a versatile 5MP network camera with advanced features, including support for H.265+, H.265, and H.264 encoding, as well as intelligent analysis capabilities like face detection and perimeter alert.

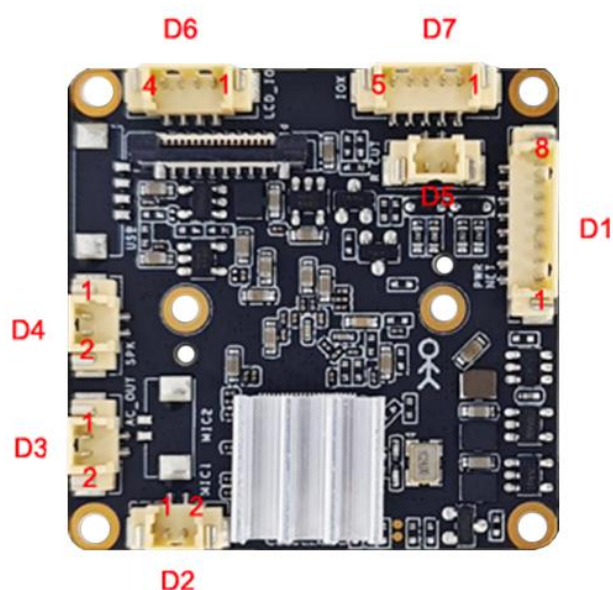
Equipped with a 1/2.8" CMOS sensor, the IMA50L12D offers a range of soft light sensitivity modes, two-way audio, voice broadcast, and custom voice message functionalities, making it a reliable choice for diverse surveillance applications.

### Key Features

- 1/2.8" 5MP CMOS.
- Support H.265+, H.265, H.264 encoding.
- Support Soft light sensitivity: Dual-light mode, Full-color mode, Infrared mode.
- Support Precise human detection, region detection, and tripwire detection.
- Support Two way audio, Voice broadcast, Custom voice messages.
- Support HDR, Image flip, Digital wide dynamic range.
- Support ONVIF.
- Support IP address Filtering, Block lists.
- Provide SDK (WINDOWS, Android, Linux) development
- Support TF card, WIFI, 4G, IO Alarm 1 channel input and output.

## Technical specifications:

Image sensor	
Model	IMA50L12D
SOC	SSC337D
Sensor	1/2.8" 5MP CMOS IMX335
Maximum resolution	2592*1944@25fps
Minimum illumination	0.01Lux
Camera	
S/N ratio	≥52 dB
Wide dynamic range	≥75 dB
Exposure mode	Auto/ Manual/
White balance	Auto/ Manual
Image resolution	
Main stream	25FPS@(2592×1944/2560×1440/2304×1296/1920×1080/1280×720/1944×1944/1200×1200)
Sub stream	640*360/VGA/D1
Audio resolution	
Audio Out/In	Supported/Wired required
Audio processing	G.711 codec standard
Protocol	
Network protocol	HTTP/RTSP/DHCP/NTP/ONVIF etc
Interface	
Network interface	10/100Mbps Base-T Ethernet, 1*RJ45 interface
IRCUT interface	Integrated IRCUT/ Smart IR Control
Light board interface	PWM yellow light / Smart LED Light Control
Storage interface	TF card up to 512GB
Extra interface	RS232
General	
Power supply	DC 12V 1.56w 130mA protected from lightning
Additional functions	OSD supported/Two way audio/Support audio and video synchronously /voice alarm/ Accurate human detection, Dual-light alarm.
Standard	International: IEC61000-4-5 China: GB/T17626.5
Size	(L)38mm * (W)38mm
Operation temperature	-40°C~+65°C
Working humidity	≤90% RH (non-condensing)



IO	FUNCTION	PIN	PIN NAME	DESCRIPTION
<b>D1</b>	8-Pin network & Power interface	1	DC12V+	DC 12V input
		2	GND	Ground
		3	RJ45_6	RX-
		4	RJ45_3	RX+
		5	RJ45_2	TX-
		6	RJ45_1	TX+
		7	RESET	Restore
		8	LED+	Network status indicator light
<b>D2</b>	2-pin Primary Microphone	1	MIC-	Primary microphone
		2	MIC+	
<b>D3</b>	Audio out	1	GND	Audio output
		2	AUDIO_OUT	Ground
<b>D4</b>	Speak out	1	SPK -	8 $\Omega$ 2W Speak
		2	SPK +	
<b>D5</b>	IR-CUT interface	1	IR CUT+	IR-CUT Output
		2	IR CUT-	
<b>D6</b>	Light control	1	CDSIN	Photosensor
		2	GND	Ground
		3	PWM1	IR
		4	PWM0	Yellow light /White light
<b>D7</b>	Extended interfaces IO / RS232	1	GND	Ground
		2	TX	Serial interface RS232 Baud rate 2400
		3	RX	
		4	IO-OUT	Spken
		5	IO-OUT	Red and blue lights