**Argus Eyes** 



# Image Recognition Sensor

**Operation instructions** 

# **Operation instructions**

Argus Eyes image recognition sensor



- 1, Recognizing the human figure in the detecting area, whether in the moving or stationary state, it can also outout signals. This product can be as a motion sensor, also as a presence safety sensor.
- 2, Adopt advanced Convolutional Neural Network, to detect and recognize the human figure, can avoid interference from strong light, vibration, flying insects, floating leaves, etc.
- 3, It supports inserting an SD card and expanding the memory to 128G to realize all-day video monitoring; and it is convenient for users to upgrade the system without changing the hardware.
- 4, Equipped with the global AI+LOT Internet of Things platform--"TUYA", the detecting area size can be set through the APP, and remote monitoring and remote opening of the door can be realized by mobile phones.
- 5, Built-in microphone, real-time simultaneous monitoring.
- 6, Four working mode can be switched freely, which is convenient to adapt to various use occasions.

### 4 Installation methods and precautions







1, Four installation methods, flexible to choose and suitable for all kinds of occasions.



2, Due to the human figure judgment, please ensure a certain shooting angle of camera when installation, The directly top overlooking view is the most unfavorable for human figure recognition.



3, In order to better use the human figure detection and recognition function, plase give priority to the installation of ceiling and reverse-view type installation, can effectively operate the motion and anti-pinch functions.



4, Below the angle of view is the blind area, the human figures may not be judged in this area.

5, During outdoor installation, strong light will affect network distribution and code scanning. Please install the products outdoor after completing the code scanning and network distribution indoors.

### 5 TUYA APP Setting Process







Select the 2.4GHz Wi-Fi network and enter your password, click "Next".



Please scan the QR code by camera, after hearing a beep sounds, click "Heard a prompt".



<b>II</b>   中国移动 <b>令</b> 16:14	√ ⊛ 40% Done	···· 中国移动 夺	16:03	√ ⊛ 46%	・III 中国移动 <b>令</b> く	16:03 LINK-VISION LV80	è )1
Added.	]	LINK-	VISION LV801		НD		С)) 29 К
	ŀ	•			2021-12	02 16:03:32	

・・I 中国移动 <b>奈</b> 16:04 く Settings	୶ ⊛ 46% ■
LINK-VISION LV801	>
Device Information	>
Tap-to-Run and Automation	>
Third Party Supported	
amazon echo Google Home	
Basic Settings	
Basic Function Settings	. >
IR Night Vision	Auto >
Advanced Settings	
Detection Alarm Settings	>

Click "Detection alarm Settings"

내 中国移动 🗢	16:04	¶ @ 45%∎
< Dete	ection Alarm Settin	gs
Motion		
Motion Detection	n Alarm	
Alarm Sensitivity	Level	High >
Activity Area		
Surveillance Area	a Setting	Edit >
Human Body Filte	ering	
Alarm Timer Setting	IS	
Schedule		>
Alarm Interval		1min >

Open the basis function options



20

Return to the system setting interface, click "Share device", can share the current device to other users

K	Share Device	
LINK-VISION LV80	1 has not been shared	
		o share it
	Add Sharing	

내 中国移动 🗢	16:05		√ @ 45% ■
<	Add Sharing		
LINK-	VISION LV801		
Share with the Ac	count Tuya Smart		>
Share with Recen	t Contacts		More >
86-1886886 8816			
Share with Others	S	1	person(s)
<b>%</b>	9	ŋ	
WeChat	QQ Message	Сору	More
Click "Share account"	with the TUYA	Smart	:



Slide or expand the red selection area with your finger to adjust the detection area, then click "save"

6_ Se	nsitivity adjustme	ent
내 中国移动 🗢	16:04	∜⊛45%∎⊃
<	Detection Alarm Settings	6
Motion		
Motion Det	ection Alarm	
Alarm Sens	itivity Level	High >
Activity Are	a	
Surveillanc	e Area Setting	Edit >
Human Boo	dy Filtering	
Alarm Timer	Settings	
Schedule		>
Alarm Inter	val	1min >

In the detection alarm setting interface, click "Alarm sensitivity level" to choose "High, middle, low" three sensitivity, adapt to all kinds of occasions.



In the detection alarm setting interface, click "Surveillance area setting"

7	uto timer se	etting
・III 中国移动 く		4
Motion		
Motion D	etection Alarm	
Alarm Se	nsitivity Level	High >
Activity A	Area	
Surveilla	nce Area Setting	Edit >
Human B	Body Filtering	
Alarm Tim	er Settings	
Schedule	9	>
Alarm Int	erval	1min >

In the detection alarm setting interface, click "Schedule" function below the "Alarm timer settings"

내 中国移动 🗢 16:05 🥑 ④ 45% 💽	내 中国移动 <b>令</b> 16:06 7 @ 45% 🗊	내 中国移动 <b>令 16:06 </b> 키운 45% •
< Schedule	K Add Schedule Save	< Repeat
	18 08	The action will be carried out only once if you do not
	14 04 15 05	select it.
	16 06	Sun.
	17 07	Mon. 🤡
	19 09	Tues. 🤡
	Repeat Once >	Wed. 🥏
No timer data	Note	Thurs.
	Notification	Fri. 🥥
Add		Sat.
	Motion Detection Off >	
Click "Add"	Choose the ON/OFF time, click "Motion	Set the repeat schedule (Such as: working
	detection" for setting, and click "Repeat"	day or off day etc), complete setting and back to last interface
	8 Flip screen	
→■ 平国参加 ◆ 16:08 → @ 45% ■_ く Schedule	・Ⅲ 中国時初 ◆ 16:04 ~ ● 46% ■ ♪ く Settings	・■ 中国時刻 ◆ 16:08 → 0 @ 45% ■ く Basic Function Settings
Time variance is ±30s		
08:00		Flip Screen
Weekday Motion Detection:On		Talk Mode One-Way Communication >
	Device Information >	
	Tap-to-Run and Automation	
	Third Party Supported	
	amazon echo Google Home	
	Basic Settings	
	Basic Function Settings	
	IR Night Vision Auto >	
	Advanced Settings	
	Detection Alarm Settings	
Add Schedule		
Click "Save", add successfully.	Return to the system setting interface, click "Basic function settings"	Sometimes, different installation methods may cause the video screen on the mobile
		phone to be inverted. In this case, click



6 Troubleshooting

Symptoms	Cause	Methods
LED indicator light off	The sensor is not connected to power supply	Check the cable connection, and whether power supply is nomal
	1, The sensor is not registered and authorized	1, Register sensor online
Blue indicator is on, but can't sensing to open the door	2, Detection alarm function is not enabled	2, Turn on the human figure filter switch of the mobile detection alarm switch in the "Detection alarm setting" on the phone App
	3, Not at the set opening time	3, Reset the opening time
Blue indicator is on, and door in NO state, door is closed after sensing and Red indicator	NO/NC signal is incorrect	NO/NC mode switch through setting button
Video screen is inverted	Different installation methods caused	Turn on/off the "Flip screen" function in the "Basis function setting" on the phone App
Green light flashes once	SD card fault	1, Format SD card, or replace a new SD card. 2, Use a new SD card less than 128G
Green light flashes twice	Sensor failure	Restart the sensor or replace a new sensor if still not work.
<ol> <li>Low sensitivity induction;</li> <li>False trigger due to objects movement</li> </ol>	Working mode is inappropriate.	Switch to the appropriate working mode by setting button
Closing delay time ofter too long	There are floating object around	1, Mark the floating object out of the detection area. 2, Remove the floating object

A

Due to the limitations of Al Neural Network deep learning, in some special scenes, the system will output certain condidence for some nonhuman figure objects (similar human figure), and it is possible to output signal. Please try to solve the problem by the following methods: 1, Rotate the position of the objects, may not be recognized as a human figure. 2, Reduce the sensitivity. 3, Adjust the lens angle of camera or adjust the detection selection area, so as to avoid the object appearing in the screen.

#### 7 Technical parameter

Main processor:       INGENIC T31N       Detection function:       human figure motion, presence, remote control opening, monitoring, period function switching         Main frequency:       1.5GHz       Detection function:       human figure motion, presence, remote control opening, monitoring, period function switching         Detection mode:       Moving + human figure detection (Dual mode)       Signal output:       Relay ON, NC optional         Pixel:       HD 720P 1296*732       Standby comsumption:       135mA(DC12V power)				
Main frequency:     1.5GHz     opening, monitoring, period function switching       Detection mode:     Moving + human figure detection (Dual mode)     Signal output:     Relay ON, NC optional       Pixel:     HD 720P 1296*732     Standby comsumption:     135mA(DC12V power)	Main processor:	INGENIC T31N	Detection function:	human figure motion, presence, remote control
Detection mode:         Moving + human figure detection (Dual mode)         Signal output:         Relay ON, NC optional           Pixel:         HD 720P 1296*732         Standby comsumption:         135mA(DC12V power)	Main frequency:	1.5GHz		opening, monitoring, period function switching
(Dual mode)         Power supply:         AC/DC 12-30V           Pixel:         HD 720P 1296*732         Standby comsumption:         135mA(DC12V power)	Detection mode:	Moving + human figure detection	Signal output:	Relay ON, NC optional
Pixel: HD 720P 1296*732 Standby comsumption: 135mA(DC12V power)		(Dual mode)	Power supply:	AC/DC 12-30V
	Pixel:	HD 720P 1296*732	Standby comsumption:	135mA(DC12V power)
Response speed: 50ms Working current: 175mA(DC12V power)	Response speed:	50ms	Working current:	175mA(DC12V power)
Monitor storage: TF card in FAT32 format, Installation methods: Expose or embedded installation on the door	Monitor storage:	TF card in FAT32 format,	Installation methods:	Expose or embedded installation on the door
maximum 128GB memory head, wall, and ceiling		maximum 128GB memory		head, wall, and ceiling
View adjustment: 0-90° (expose installation) External dimension: 86x80x69mm(expose)	View adjustment:	0-90° (expose installation)	External dimension:	86x80x69mm(expose)
0-45° (embedded installation) 130x82x71mm(embedded)		0-45° (embedded installation)		130x82x71mm(embedded)
Network distance: 10-30 meters Installation height: ≤ 6 meters	Network distance:	10-30 meters	Installation height:	≤ 6 meters
(dependin on the strength of Wi-Fi on site)		(dependin on the strength of Wi-Fi on site)	-	

8 Packing List

ITEM	PCS	REMARK
Sensor	1	
Bracket for expose installation	1	Bracket, cover
Bracket for concealed installation	1	Bracket, cover, screw cover*2

ITEM	PCS	REMARK
Four-core buckle cable	1	2.5 meters
Screws bag	1	Screws*2, rubber plug*2
Installation instructions	1	