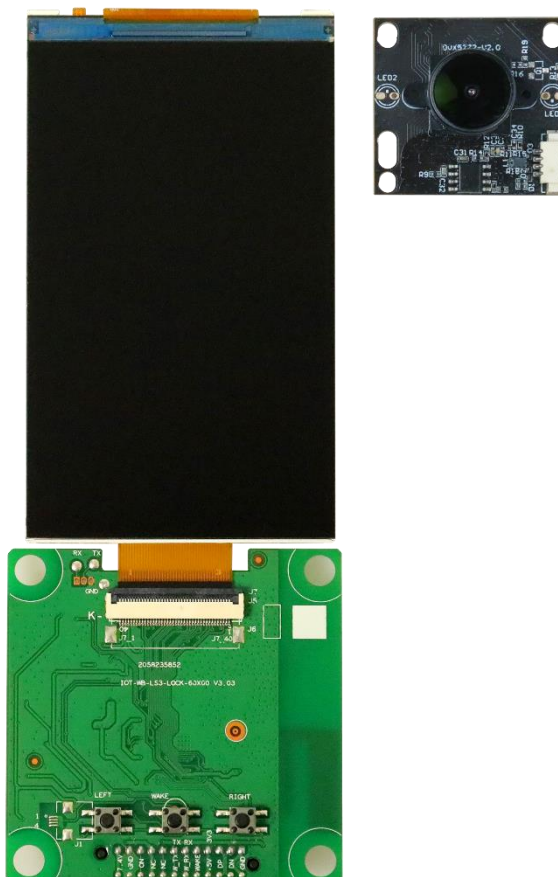


IOTG-LKU-X1 Module Specification

Document Version : 20230603



Introduction

IOTG-LKU-X1 is an 720P USB smart video door lock module developed by our company, which is mainly used in smart video door locks.

Main Features



Bluetooth network configuration



Visual screen



Remote wake-up



Video Talk



Remote unlocking



Alarm push



Cloud phone

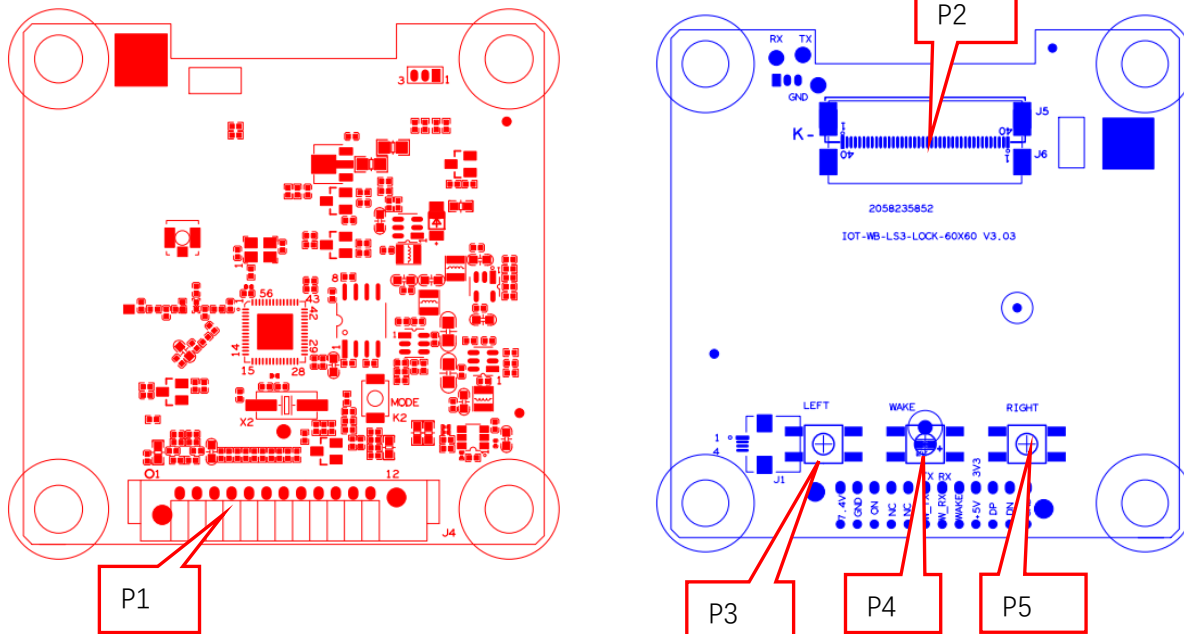


Cloud storage

1. Product Parameters

Model	IOTG-LKU-X1
System Structure	Dual-core 32-bit DSP, pure hard compression, watchdog
Image Output	480*800
Lens	USB lens module 2.5mm-F2.0, height 13.978±0.25mm, viewing angle: diagonal 152°
LCD Screen	4"/4.5"/5"
Audio Interface	1*input, support microphone input (MIC: selection range -28dB~-36dB, -33dB specification recommended);1*output, support speaker output playback (speaker: 8Ω 2W specification recommended)
Antenna interface	On-board antenna or external antenna
Network configuration mode	Bluetooth/QR code
keys	1* Left buttons; 1* Wake button; 1* right buttons
Remote wake-up	support
Video intercom	support
Push messages	Door opening message, doorbell call, stay alarm, anti-prying alarm, trial and error alarm, etc
Video recording	Cloud storage
Reliability	Comprehensive lightning protection, in line with national international standards; 3*24 hours high temperature test stable and reliable
Functions	Support remote monitoring of mobile phone client; Support cloud phone; Support alarm message push; Support MJPEG capture
Mobile Monitoring	Support cell phone monitoring (iOS, Android)
Power Supply	DC6.6V-8.4V
Dimension	60mm*60mm+32mm*30mm

2. Interface Description



Marking	Silk Screen Number	Pin Number	Pin Definition	Function
P1	J4	1	GND	Butt lock plate, universal wire sequence
		2	USB cable negative	
		3	USB cable positive	
		4	USB power supply/5V	
		5	The lock plate wake-up signal is highly effective	
		6	Serial port reading	
		7	Serial port writing	
		8	/	
		9	/	
		10	The doorbell wake-up signal is highly effective	
		11	earth	
		12	6.8V-8.4V lithium battery power supply	
P2	J5	1	LCD interface	Docking screen
P3	K7	1	LEFT	UI left button
P4	K5	1	WAKE	Wake up and confirm the button
P5	K1	1	RIGHT	UI Right button

3. Working Conditions

Parameter	Description	Min	Max	Unit
Ta	Working temperature	-10	60	℃
VCC	Power supply voltage	6.6	8.4	V
VOL	I/O low-level output	0	0.7	V
VOH	I/O high-level output	2.5	3.3	V