

YYS663-Electronic technical specifications of anti-peep detector

Version: V01	Department: Development Department	Designer: Chen Jun	Date: 2024-01-04
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product	Product name: upgraded multi-functional anti-peep detector	Product model number: YYS 663	project number:
	Introduction: This product is a rechargeable mini portable anti-peep camera detector, in addition to the core function of the detection camera, can also be used as a decoration hanging on the key chain or bag. The detection principle is that the product emits red light on the lens of the camera, and then the human eye can clearly see the red light point reflected by the lens of the camera through the red light filter lens. The red light has constant on mode and flashing mode, which can be switched in turn through the key. When the detection is enabled, the product will automatically detect the intensity of the infrared light emitted by the night vision camera to send out an alarm sound for the intensity. At the same time, the product with travel commonly used flashlight and vibration anti-theft alarm function.		
Complete machine renderings			

Circuit board structure diagram



GOLDEN YAN YYS663-Electronic technical specifications of anti-peek detector

Basic specifications of the product electronic parameters		
name	explain	remarks
Product storage at an ambient temperature	-20~ +85℃	
Product working environment temperature	Charge state 0~ + 45℃ and discharge state 0~ + 60℃	
Product standby time	Standby current 10 uA, 80% power (factory) for 6 months	
Rated power supply adapter parameters	USB Type-C/ DC 5V 1A	
charging interval	Vacation for 60 minutes	
Battery life	Vacation for 60 minutes	The scintillation detection state
defensive function	Lithium battery overcharge, overdischarge, overcurrent protection	
product certification	Specific according to the customers requirements	

Power parameters					
name	explain	least value	representative value	crest value	unit
Lithium battery parameters	battery capacity	—	60	—	mAH
	Battery normal operating voltage range	3.0	—	4.2	V
	Maximum continuous discharge current	—	—	120	mA
Lithium power management	Overcharge protection threshold voltage	4.15	4.2	4.25	V
	Overput protection threshold voltage	2.3	2.4	2.5	V
	Overflow protection threshold	1.5	2	2.5	A
	Overheat protection threshold	—	—	—	℃
Power charging	Normal operating input voltage range	4.8	5	5.2	V
	Adaptive charging current range	10	—	120	mA
	Charging power	—	—	0.65	W
	Input the limit voltage	—	—	6.5	V
working current	Red-light light light for the detection of the	40	—	100	mA

	LED				
	White light lighting LED	30	–	120	mA
Standby current	Self-consumed current in the shutdown state	–	–	10	uA
	Shock detection standby	–	–	30	uA
Standby current	Self-consumed current in the shutdown state	–	–	10	uA

Detection parameters					
name	explain	least value	representative value	crest value	unit
Red-light light light for the detection of the LED	4 red LED lights	12000	–	32000	mcd
	Luminescence Angle	30	–	40	Deg
Infrared receiving LED	Infrared light detection wavelength	700	–	1100	nm
	Infrared light reception angle	30	–	40	Deg

Functional operation instructions		
name	explain	remarks
battery status	Low power: Red indicator flash flash (on 200 mS, off 200 mS) In charging: red indicator flashes slowly (500 mS, 500 mS) Full charge: The red indicator light is always on	Automatic shutdown after low power display 5S
Camera detection function	Long press o 2 seconds: [open] \ [close] camera detection Short press o: [first gear] [second gear] [third gear] cycle switch in turn, the state is as follows: first gear: red light detection light is always on Second gear: red light flash slowly (300 mS, 300 mS) Third gear: red light detection lamp flash (100 mS, 100 mS) During red light detection, the infrared light buzzer from the night vision camera will make a sound. The infrared signal sound of different intensity is as follows: Low intensity: the buzzer drops every 300 mS Medium intensity: the buzzer drops every 100 mS High intensity: the buzzer keeps ringing	1. Cancannot be started in low power state. 2. If the button of another function is on, another function will turn off the open function first.
Shock alarm function	Long press for 2 seconds: start the vibration alarm function, after starting the buzzer every 1 second to prompt 10 second countdown, after the countdown detects vibration, the alarm sound. ✚ When the alarm function has been started or press any button in the alarm state, the buzzer will turn off the alarm function.	
Lighting function	Short press: [open] \ [off] flashlight lighting ✚	
Battery life protection	[Camera detection function] automatically shut down after working for 3 minutes.	