

YYS692 Electronic technical specifications of anti-peep detector

Version: V01, Department: Development DepartmentDesigner: Chen JunDate: 2024-05-07

product	Product name: anti-peep detector	Product model number: YYS692	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 regarded as Decor hangs on 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 of the camera reflecting the lens through the red filter lens. The red light has constant on mode and flashing mode, which can be switched in turn through the key.		
Complete machine renderings			
Circuit board renderings			
GOLDENYANYYS 692 Electronic technical specifications of anti-peep detector			

Product foundation specifications		
name	explain	remarks
Product storage at the ambient temperature	-20~+85C	
Product working environment temperature	Charge state 0~ + 45℃ and discharge state 0~ + 60℃	
Product standby time	Standby current 10 uA, 70% power (factory) for 6 months	
Rated power supply adapter parameters	USB Type-C/DC5V 1A	
charging interval	Vacation for 60 minutes	
Battery life	Vacation for 60 minutes	The scintillation detection state
defensive function	Lithium battery overcharge, overdischarge, short-circuit protection	
product certification	ROHS、CE、FCC	Specific according to the customer's requirements

Power parameters					
name	explain	least value	representative value	crest value	unit
Lithium battery parameters	battery capacity	one	60	one	mAH
	Battery normal operating voltage range	3.0	-	4.2	V
	Maximum continuous discharge current	one	-	100	mA
Lithium power management	Overcharge protection threshold voltage	4.15	4.2	4.25	V
	Overput protection threshold voltage	2.9	3.0	3.1	V
	Overflow protection threshold	400	500	600	mA
	Short circuit protection threshold	1.5	2	2.5	A
Power charging	Normal operating input voltage range	4.8	5	5.2	V
	Adaptive charging current range	10	one	120	mA
	Charging power	one	one	0.65	W
	Input the limit voltage	one	-	6.5	V
working current	4 * Red light LED	40	-	100	mA
Standby current	Self-consumed current in the shutdown state	-	-	10	uA



Red light + filter detection camera principle

YYS692 Princidescription of anti-peep detection camera::

Four LED lights emit high directional red visible light at 30-40 angles. When illuminated to the camera lens, the red light will be focused into a bright spot by the lens spherical lens, and the human eye will increase the contrast through the red light filter to find whether there is an obvious bright spot to determine whether there is a camera.



Functional operation instructions		
name	explain	remarks
battery status	Low power: Red indicator flash flash (on 200 mS, off 200 mS) In charging: red slow flash (bright 500 mS, out 500 mS) Full: green light	Automatic shutdown after 10S of low power display
Red light detection gear	Long press for 2 seconds: [boot] \ [shutdown] cycle switch Short press: [first gear] -> [second gear] cycle switch in turn First gear: the red light is always bright Second gear: red light (bright 300 mS, 300 mS)	Cannot be started under the low power condition
Battery life protection	When not charging, automatically shutdown after 3 minutes in first and second gear.	

