

PASSIVE WIRELESS INFRARED MONITORING SYSTEM

HK-WY20-A HK-WY20-B



Independent power supply by solar panel



IP66 waterproof and dustproof



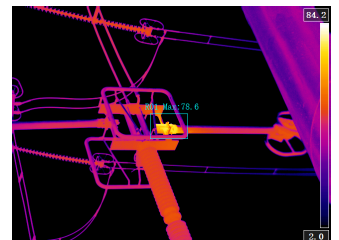
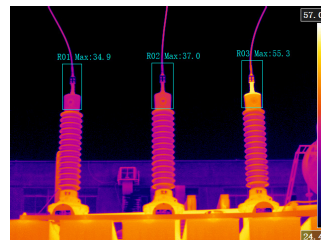
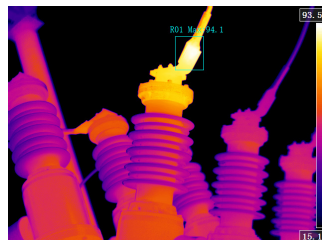
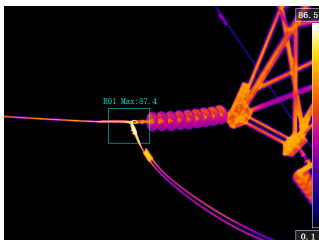
Better performance with $\pm 2^{\circ}\text{C}$ as accuracy



Support 4G wireless image transmission



Support remote viewing and control



SPECIFICATIONS

Model	HK-WY20-A	HK-WY20-B
Detector type	Uncooled FPA, VOX material	
IR Resolution	160x120	256x192
Thermal Sensitivity/NETD	≤50mK (@25°C)	
Spectral Range	8~14μm	
Field of view	56°x42.2°	
Spatial resolution	6.11mrad	3.82mrad
Focus	Fixed	
Palette	8 color palettes	
Temperature measurement settings	10 points, 10 boxes, 5 lines	
Object temperature range	-20°C~+150°C (low temperature range)/0°C~+650°C (medium temperature range)	
Temperature measurement accuracy	±2°C or ±2% of readings	
Alarm		
Alarm mode	SMS alarm, email alarm	
Image display		
Temperature trend curve	Support	
Historical infrared image display	Support	
Image transmission		
Image transmission mode	Scheduled transmission to the cloud via 4G	
Storage		
Remote storage mode	Cloud storage	
Local storage mode	32G SD card storage (Supports up to 128G)	
Image format	.jpg (including temperature data)	
Power supply		
Power supply mode	Solar charging (no external power supply required)	
Working mode	Wake-up working time and automatic sleep time can be set	
Standby time	2 hours of sunlight per day, no need to charge for general use	
Battery life	+25°C ambient temperature, no solar charging, general use ≥15 days	
Maximum power	≤3W	
Standby power	≤0.01W	
Environmental parameters		
Working temperature and humidity	-20°C~65°C, ≤95% RH	
Protection level	IP66	