

HRYXJ—A

The Ministry of Public Security of P.R.of China certified infrared camera for National Standard of Firefighting Infrared Camera



Two resolutions

HRYXJ-A has two optional resolutions, 160x120 for HRYXJ-A(160) and 384x288 for HRYXJ-A(384). Both models provide the same functions, if the users demand is for higher imaging quality, HRYXJ-A(384) will be the best choice.

Built-in infrared lens

Built-in infrared lens ensures the requirement of IP67 encapsulation; it also provides better protection to the lens.

Wide angle design provides a wider field of view for the firefighters, making it more suitable for firefighting and rescue work.

Waterproof

Waterproofing is necessary in an infrared camera for firefighting. HRYXJ-A has passed the waterproof testing, it can maintain normal operations for 30 minutes under water of one meter deep.

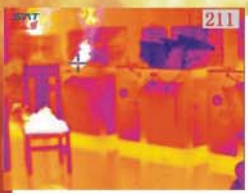
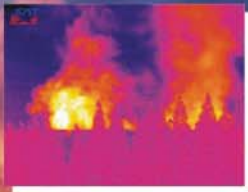
Drop test

HRYXJ-A passes the drop test, even it falls on the floor from 1.8 meter height, it still keeps its normal performance.

Temperature measurement

High temperature in a fire will threaten the lives of firefighters, the temperature measuring function of the HRYXJ-A can identify the places with high temperature, helping the firefighters to get away from a dangerous situation.

There is always risk of reignition even after the fire has been extinguished, firefighters can find places with high temperature with the HRYXJ-A, and take actions to prevent the reignition.



Model		HRYXJ-A	
Image performance			
FOV/ min. focus distance		35° × 26° / 0.5m	
Spatial resolution		3.8 mrad	
Thermal sensitivity @ 50/60 Hz		100 mK @ 30°C	
Detector type		FPA, uncooled microbolometer	
Resolution		160 × 120	
Spectral range		8 - 14 μm	
Image presentation			
Viewfinder		2.5" High resolution viewfinder	
Video output		NTSC(60Hz) or PAL(50Hz) composite video	
Measurement			
Measurement range	Range one	-20°C to +250°C, (-4° F to +482° F)	
	Range two	+200°C to +1000°C (+392° F to +1832° F) (optional)	
Accuracy		± 10°C	
Measurement mode		Auto tracking / central spot	
Battery system			
Battery		Rechargeable NiMH battery	
Battery life		≈ 2.5 hours continuous operation	
Battery charger		NiMH battery charger	
Recharging time		2 hours	
Environment characteristic			
Encapsulation		IP 67	
Shock		Operational: 25G	
Vibration		Operational: 2G	
Water resistance		1.0m, 30 minutes	
Drop		1.8m	
Burnung arrestment		UL94-V0	
Operating temperature	@ +80°C	30mins	
	@ +120°C	10mins	
	@ +260°C	5mins	
Physical characteristic			
Weight (inc. battery)		1400g	
Size (L*W*H)		175mm × 119mm × 125mm	



standard package

