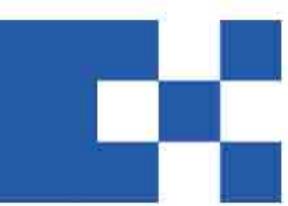


Ultra Long Cooled Thermal Camera





SHR-ZHIR690 and SHR-ZHIR320

Features



- Adopting continuous zoom lens, clear image, long detection distance, can both search in large area and observe object nearly
- ◆640 × 512resolution cooled FPA detector, fine and smooth image quality, can observe small objects more clearly and detect longer distance
- Advanced image noise reduction process, DDE(digital image details enhancement) function, outputting hot white/ hot black/ pseudo color image
- Low power consumption, quick start, stable performance
- Simple operation, easy to use and maintain
- Precision cast aluminium alloy housing, seal waterproof, nitrogen inside, anti-harsh environment, super long work life

Effect demo







Technical data

Model		SHR-ZHIR690		SHR-ZHIR320	
Monitoring distance	Object	Human	Vehicle	Human	Vehicle
		$(1.8m \times 0.5m)$	$(2.3m \times 2.3m)$	$(1.8m \times 0.5m)$	$(2.3m \times 2.3m)$
	Detection	15810m	20500m	10820m	17870m
	Recognition	7270m	12890m	3540m	7640m
	Identification	4040m	8510m	1750m	4270m
Detector	Туре	Cooled detector			
	Resolution	640 × 512			
	Spectrum	3.7~ 4.8μm			
	NETD	≤25mK			
	Frame	25Hz			
	FFC	Auto/ manual/ background correction			
	Image process	DDE/pseudo color			
	Video output	PAL/NTSC			
	Starting time	≤7.5 second(under 25°C)			
Lens	Focal length	34~6	90mm	15~300mm	
	FOV	$0.8^{\circ} \times 0.7^{\circ} \sim$	16.1° × 12.9°	1.83° × 1.46° ~35.5° × 28.7°	
	IFOV	0.02~0.4mrad 0.05~ 1mrad		- 1mrad	
	Lens control	E-zoom/focus			
Interface	Power	DC24V			
	Others	RS485, BNC video output			
Environmental indicators	Operation temperature	−25°C~ +55°C			
	Storage temperature	-40°C~ +65°C			
	Protection	1P67			
	Vibration	10~ 55Hz, 0.75mm			
	Anti-impact	150m/s², 11ms			
	Salt-fog proof	PH 6.5~7.2, continuously spraying 48 hours,			
	Sait 10g proof	surface with no change			
Power	Whole power	DC24V			
	Power consumption	≤15W@25℃, in standard working state			
		≤ 30W@25℃, in peak electric current			