Long Range Optics Thermal Camera System

◆ SHR-UT550HLV1020TIR155R&
SHR-UT800HLV4020HTIR210R

Features

◆Adopting thermal imaging technology, imaging clearly, can search in large area and recognize objectives in long distance
◆640× 512 high resolution infrared detector with NETD≤ 50mK
◆Day and night 2 megapixels low illuminance color camera, realizing day and night continuous monitoring
◆Optional auto focusing function, realizing multiple focusing mode and triggering mode
◆Optional thermal imaging camera presetting function, remembering FOV of each preset bit, enhancing working efficiency
◆3D locating function, can realize frame selection magnifying function and clicking to center function, reducing operating difficulty, enhancing device usability
◆High reliability aluminum alloy electro-optical pantilt, reinforcement design, strong ability of anti-wind, anti-salt fog, low and high temperature resistance etc.

Effect demo

Technical data

Model		SHR-UT550HLV1020TIR155R		SHR-UT800HLV4020HTIR210R	
Monitoring distance	Day camera	2000m		9000m	
	Object	Human(1.8m×0.5m)	Vehicle(2.3m×2.3m)	Human(1.8m×0.5m)	Vehicle(2.3m×2.3m)
	Detection	4200m	12000m	5600m	16000m
	Recognition	1050m	3000m	1400m	4000m
	Identification	520m	1500m	700m	2000m
Thermal detector	Detector	Uncooled microbolometer focal plane array(Vox)			
	Effective pixel	384×288		640×512	
	Spectral range	8~ 14μm			
	NETD	≤50mK@F1.0,300K			
	Image process	DDE, pseudo color			
Thermal lens	Focal length	30~150mm, 5x zoom		20~200mm, 10x zoom	
	FOV	2.5° ×1.9° ~12.4° ×9.3°		3.1° ×2.3° ~30.4° ×23.1°	
	F value	F1.0~ F1.2			
	Lens control	E-zoom, e-focus(auto focus optional)			
HD Camera	Sensor type	1/1.8’’ Progressive Scan CMOS			
	Coding format	H.265/H.264/MJPEG			
	Video resolution	1080P, CIF, supporting three stream			
	Video bit rate	32Kbps~ 16Mbps			
	Video frame rate	1~ 25F/S (50Hz), 1~ 30F/S (60Hz)			
HD lens	Focal length	12.5~400mm		16.7~1000mm	
	FOV	1° ~ 33.5°		0.45° ~ 24.9°	
	Other	Defog, Auto focus Support for optional			
Pan-tilt	load	40kg		75kg	
	Angle	Pan: 0° ~ 360° ; Tilt: -45° ~ +45°			
	Speed	Pan: 0.01°~45°/s; Tilt: 0.01°~30°/s		Pan: 0.01°~100°/s; Tilt: 0.01°~ 80°/s	
	Preset	255			
	Preset accuracy	±0.1° (±0.05° optional)			
	Auto cruise	2 paths, 64 presets each path			
	Auto scan	1 path			
Interface	Power supply	DC30V			
	Network interface	1x10Base-T/100Base-TX,RJ45			
Environment indicators	Temperature	Operation -25℃~ +55℃ (-40℃~ +55℃ optional), Storage -40℃~ +65℃			
	Protection grade	IP66			
Power supply	Power supply	Wide range power input AC90~305V to output DC30V/10A, waterproof power adapter supply			
	Consumption	≤180W			