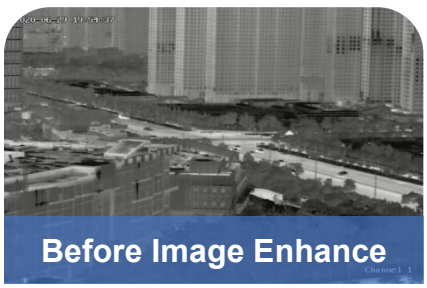
HP-ATC Series Uncooled Thermal Module

IP Thermal Module is a developed on the basis of latest uncooled infrared technology and infrared optical technology. It adopts advanced digit circuit and imaging processing algorithm. Thermal camera is capable of penetrating dust, fog, rain, and darkness. Machine use wide power, easy to connect and operate, can ensure the control convenience.

The uncooled network thermal imaging movement has an area array size of 384x288/640×512 vanadium oxide detectors, which can detect infrared radiation in the 8~14μm band. 12/17μm pixel center distance make it have better imaging performance. Integrated network coding, network port output is convenient for connection and transmission, and can be widely used in civil fields such as remote observation, fire prevention, security, key area protection, police law enforcement, scientific research, etc.

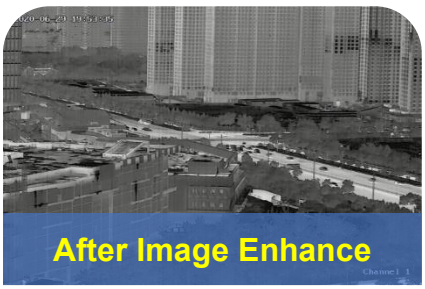
Product's Highlights:

- NETD 45mk enhance the imaging details even in foggy/rainy/snowy weather.
- Suitable for zoom/fixed lens
- Function of life index recording for thermal camera
- WZ Non-uniform image correction technology, good image uniformity and dynamic range.
- SDE digital image processing, no image noise, 16 pseudo color images



Zoom Module Image Reference

Fixed Module Image Reference



Hope-Wish Multi-Band Thermal Camera Image Reference

THERMAL SENSOR / THERMAL MODULE
Contact: Alvin WhatsApp/Mobile: +86 15954534977 Email: alvinwang@chinahpws.com

Model		ATC317	ATC617	ATC612
Thermal Sensor	Sensor	5th generation uncooled FPA sensor		
	Effective Pixels	384x288	640x512	640x512
	Pixel Size	17μm	17μm	12μm
	TEC	Not Support	Support	Support
	NETD	≤45mK		
	Spectral Range	7.5～14 μ m, LWIR		
	Frequency	50Hz		
Lens Option From Hope-Wish	1X Lens	9mm, 13mm, 20mm, 30mm, 50mm, 75mm, 100mm		
	3X/4X Lens	25~75mm, 30~120mm		
	5X Lens	21~105mm, 31~155mm, 38~190mm		
	10X Lens	22~230mm, 30~300mm		
	Duel-FOV	95mm/285mm		
Image	Enhance	Stable operational temperature without TEC, starting time less than 4 seconds		
	SDE/AGC	Support		
	Pseudo Color	16 pseudo color and B/W, B/W inverse		
	Digital Zoom	1X~8X continuous zoom (Step 0.1)		
	Ranging Ruler	Support		
Enhance	Strong Light Protect	Support		
	Temp Correction	Thermal imaging clarity is not affected by temperature.		
	Scene mode	Support multi-configuration scenarios, adapt to different environment		
	Lens Servo	Support lens preset, focal length return and focal length location.		
	Azimuth Information	support angle real-time return and positioning; azimuth video overlay real-time display.		
	Parameter Setting	OSD Menu Remote Call Operations.		
	Security	Support authority management, IP/Mac address black and white list		
	Life Index Recording	Working time, shutter times, ambient temperature, core device temperature		
Intelligent	Motion detection	Support		
	AI Analysis	Support intrusion, cross-border detection, entry / exit area, movement, wandering, gathering, rapid movement detection; Target tracking, item leaving and item taking; Human / vehicle target detection; Support human/vehicle filtering; Support target temp filtering		
	Customized	Support		
	ROI	8 ROI regions can be set, and the image quality can be adjusted		
	Hot-Point/Fire Alarm	Support		
	Temp measurement	it supports the measurement of the highest and lowest temperature o		
Interface	Interface	1-way RJ45, 10/100 Base-T adaptive		
	Protocol	TCP/IP, UDP, IPv4/v6; support HTTP, RTSP, DHCP, NTP, FTP; support ONVIF network protocol		
	Coding	Coding method: H.264, H.265		
	Output Resolution	Resolution: 1920x1080/1280×960/640×512/384×288		
	Analog	PAL/NTSC		
	Digital Video	BT656, LVDS, Camlink		
Environmental	Power Supply	DC12V		
	Consumption	≤4W （Peak 10W）		
	Working Temp	-25℃~60℃		
	Storage Temp	-40℃~85℃		
	Weight	＜155g		

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