OVERVIEW

D610 is a portable convenience that integrates high definition large zoom, infrared therma, high precision ptz, High efficiency high power infrared、video cording、wireless transmission, local storage、positioning and other functional modules. It can meet the needs of emergency temporary deployment、emergency search and rescue、industrial temperature measurement、forest fire prevention、fire warning、vehicle mobile monitoring with mobile portable、quick deployment features. The terminal can be quicky deployment on a tripod, which can quickly complete the investigation and deployment at the designated area, and can detect targets under the condition of dark night. Vehicle use don't need modify and additional power supply, can be directly adsorbed on the roof. It can be widely used in public security, electric power, fire fighting, armed police, maritime,railway, emergency, prison, and other fields of emergency handling、mobile deployment

TECHNICAL SPECIFICATIONS

Technical Parameters:

System		HiSilicon Embedded System
Protocol		ONVIF protocol, national standard GB28181, support to provide the bottom layer, assist in development
Configuration and Video Browse	Configure	Network port
	WEB way	Support (video can be browsed)
	PC Client	Support (video can be browsed)
	Mobile APP	Support (video can be browsed)
Input Channel		Built in one channel video and one channel audio
PTZ Parameters	Pan rotate range	360° continuous rotation
	Pan rotate range	-30°-90°
	PT Speed	Horizontal control speed 100°/s, vertical control speed 60°/s
	Preset	255
	Patrol	4
	Line scan	support
	Park action	support
Image parameters	sensor	1/2.8" High Performance Low Light CMOS Sensor (IMX327)
	resolution	1080P(1920*1080 25/30f/s)
	Optical zoom	30x(10X digital zoom)
	Focal length	F =5.5-141mm
	Iris	F1.6~F4.3
	View angle	Wide:65.2°×56.9°Tele:3.3°×2.9°
	Illumination	F1.6 (W) ,50 IRE) , 0.05 lx (1/30s) IR-CUT On, 0.005 lx (1/4s) IR-CUT Off
	Wide Dynamic	WDR
	Day-night mode	ICR filter switching

Thermal imaging	Detector type	Alarm type uncooled
	Resolution	640X512、384X288
	Pixel spacing	12μm
	Response band	8-14μm
	Frame rate	50 fps
	Lens focal length	Fixed 15mm, optional 25mm, 35mm fixed lens
	Lens F Value	F1.0
	Field of view	28.7°x23.2°、17.5°x13.1°
	Grayscale alarm	Realize image tag alarm, serial communication alarm, IO alarm
	Alarm response time	≤0.2S
	Digital zoom	1x, 2x, 4x, 8x
	Pseudocolor	Support , black heat, white heat, red heat, mix
	Image Processing	Image detail enhancement (DDE), automatic gain control (AGC), digital filter noise reduction
	Brightness and contrast adjustment	Manual /AUTO
	Analog video output	CVBS (TM36/33-LGS)
	Digital video output	8-bit BT.656 / 14-bit RAW + YUV (TM36/33-LGD)
	Control interface	RS-232/RS-485/UART/RS-422
Infrared light parameters	Infrared power	1 high-power dot matrix infrared
	Infrared angle	1x 15° lamp cup, 1x 60° lamp cup
	Infraredcontrol method	PWM dimming
	Infrared distance	Effective infrared distance 120 meters

compression standard		H.264/H.265
Code rate		32Kbps-16Mbps
Code stream		Support dual stream, main stream (1080P; 960P:720P), sub stream (D1; VGA; CIF)
Video record	Format	CSF(with sound)
	Supported resolution	D1/720P/1080P(Default)
	Video file length	10 minutes (default)
	Frame rate	25/30 frames
Storage		Single TF card, Max support 256G
snap	Support resolution	D1/720P/1080P (default)
Audio	Audio input	Built-in high-sensitivity pickup, optional hand microphone
	Compression standard	G711
	Sampling Rate	16K、32K、64K、128K
LCD Display	LED light	1 ring light backlight
	OLED screen	Support OLED screen to display 4G, WIFI, GPS connection status, storage status, signal strength, and display the connection status of the platform
Alarm	Input	1CH
	Output	1CH
Extend	RS232 serial port	can be connected to various sensors, such as temperature and humidity, radar and other peripherals

Button and control	physical buttons	1 switch button, press and hold for 3 seconds to switch on
Protection grade	IP67	
Working temperature	-30°~60°	
Working humidity	0~95%,no condensation	
Product dimension	Φ165.6*267mm	
Product weight	6.6kg with safety suitcase	
Handle design	support	
Installation method	Screw fixation	
Interface cable	Charging interface	Φ5.5*2.1
	Serial port	RS232
	Audio interface	American standard headphone jack
	Alarm interface	1CH
Standard accessories	Interface cable	standard
	Handle	standard
	Charger	DC12.6V 3A