

NVT-6500T

Outdoor “T” Style Double Spectral Thermal Imaging All-in-One Network IP camera



Features:

- Full real-time 1080P high-definition resolution visible light image and 960P resolution thermal imaging, built-in gamma compensation, color enhancement and digital enhancement (DDE) engine, providing excellent HD video image and exquisite image details.
- H.265/ H.264 /MJPEG compression, based on video compression optimization technology such as dynamic region ROI, has strong adaptability to front-end and front-end compatibility and features such as high-definition picture quality, low delay and low bit rate, so as to save network bandwidth and storage space to the maximum extent.
- Multi-lens optional: 25x, 45x optical zoom visible lens, 13mm-50mm infrared fixed lens is optional. Integrated advanced visible light synchronization auto-focusing and fast focusing algorithm can detect vehicles, moving objects or people within a range of 5 km. Integrated long focal speed limit function, when zoom to long focus, automatic limit to control the speed rate of PTZ.
- Dual spectral all-weather imaging: the combination of visible light and infrared thermal imaging detection, adapts to multiple severe weather conditions. It can bring excellent video under at night in areas of total darkness, poor light, low contrast, direct sunlight, shrub and jungle, as well as in severe rain, snow, smoke/dust and haze weather conditions. Provides real-time visual evaluation and visual alarm recognition, fire detection, area invasion, target tracking alarm, providing all-weather motion detection and clear activity images.
- High-precision PTZ: Use the high-precision motor, It provides multiple high-precision presets and self-learning tracks, with the full-digital control, the transmission system design is exquisite and simple, can quickly position, continuously track and scan, implement the omni-directional and blind spot monitoring. The PTZ has a watch function, it can return to the specified preset point after the specified idle state time. Support power off memory function, automatically return to the original state when power on.
- Stability and reliability: integrated alloy die-casting shell, unique new type of high-strength and anti-seismic structure, three parts separation, car shock absorber is optional, increase product service life and improve the stability of long-term moving scenes. Equipped with a lens wiper, keep the lens clean and provide clear images at any time.
- Protection level: full seal design. The whole three protections includes stainless steel screws, joints, leads and other relevant accessories, all meeting the requirements of three protections (moisture-proof, mildew proof and salt spray proof). Constant temperature, waterproof, dustproof and corrosion-proof, supporting lightning proof, surge proof and shock-proof function, protection level IP66.
- Rich interfaces: power supply, network, CVBS, alarm input/output, audio input/output. Memory card and RS485 wire control interface are optional.
- Rich compatibility and supporting : this camera can provide Onvif, GB/T 28181 protocol compatibility, SDK development kit and CMS management platform system.

Specification:

Model	Model No.	NVT-6500T
	Type	Outdoor “T” Style Double Spectral Thermal Imaging All-in-One Network IP camera
Camera Module	Sensor	Sony High Performance CMOS
	Camera Module	25x,45x Optical Zoom Camera Module Optional
	Focal Length	Depends on Camera Module
	Resolution	Full HD/1080P
	Frame Rate	25/30fps
	Min. illumination	Color: 0.002Lux @(F1.5,AGC ON), ICR ON B/W: 0.001 Lux @(F1.5,AGC ON), ICR OFF
	WDR	Support
	Day/Night Mode	Automatic/Color/B&W
	3D DNR	Digital DNR
	Focus Model	Auto Focus AF, ZF (Zoom Trigger AF), Manual Focus(MF)
	Defog	Electronic Defog
	Control	Auto White Balance, Auto Gain Control, Auto Exposure, Auto Iris Correction (AWB/AGC/AE/AIC)

	BLC	Support
	HLC	Support
Thermal Module	Detector	Un-cooled Vanadium Oxide Detector
	Resolution	336x256、640x512 Optional
	Pixel Pitch	17μm
	Spectral Range	7.5~13.5μm
	(NETD)	≤40mK
	Focal Length	13mm、19mm、25mm、35mm、50mm lens Optional
	Color Palette	White hot ,Black hot, Iron Red and other Thermal Imaging Pseudo-color optional
	Detection Range	Detect car:≤5Km , Detect human: ≤1.5Km Recognize car: ≤1.2Km, Recognize human: ≤500m Identify car: ≤600m , Identify human: ≤200m (* human: 1.8m*0.5m, car: 1.4m*4m, the detection distance is depends on the lens)
Video	Video Compression	H.265 / H.264 / MJPEG
	Audio Compression	G.711(ALAW)/MP2 /G.711(MULAN)
	Max. Resolution	Color : UHD/4K(3840x2160) or Full HD/1080P(1920x1080); Thermal Imaging:1.3MP(1280x960)
	Image Effects	Rotation, Mirror and Self-defined Image Mode
	OSD	Multiple Zone Smart OSD, Support Multi-line Characters, Font Size, Color, Location can be Customized
	3D Position Control	Draw the Areas Through by Mouse, Auto Focus to CFOV
Pan&Tilt	Horizontal Range	360° Continuous Rotation
	Horizontal Speed	Horizontal Keyboard Control: 0°~80°/s
	Vertical Range	-90°~+90°
	Vertical Speed	Vertical Keyboard Control: 0°~60°/s
	Preset	300
	Preset Stop Accuracy	±0.01 Degree
	Preset Cruise	8 Cruise Groups(Support to Add 32 Presets for Each Group)
	Pattern Scan	8 self-learning path, with speed memory, each path can be recorded for 10 minutes
	Two Points Scan	4 Paths, Available to Set the Position and Speed of Scanning
	360° Scan	1 Path, Available to Set the Speed of Rotation
	Horizontal/Vertical Scan	4 Paths, Available to Set Independently the Speed of Rotation
	Azimuth Angle	Support
	Power off Memory	Support
	Wiper	Support
	Remotely Restart	Support Camera/PTZ
Intelligent Functions	Accurate Temperature Measurement	Support point temperature measurement ,line temperature measurement and area temperature measurement
	Accuracy Rate	±2 ° or measurement range ±2%
	Fire Detection	Support
	Temperature Anomaly Alarm	High/Low Temperature
	Intelligent Tracking	Fire Tracking, Event Tracking, Panoramic Tracking
	Intelligent Detection	Intelligent Motion Detection, Sensor Linkage, Regional Intrusion Detection, Perimeter Detection, Entry Area Detection, Departure Area Detection, etc.
	Defog	Support(Optional)
	Intelligent Encoding	Support Low Code Rate, Low Delay Adaptive Encoding
	Dynamic ROI	Dynamic ROI Setting, Support to Set Fixed Area or Dynamic Tracking Separately
	Intelligent Alarm	Network Disconnection Detection, IP Conflict Detection, SD Card Storage Detection, Storage Space Detection
	Timing Cruise	Timing Invoke Preset, Pattern Scan Path, Preset Cruise Grouped
	Watch Function	Support, It can Return to the Specified Preset Point After the Specified idle State time, Support preset, Track, Horizontal Scan
	3D Position	Support
	Long Focus Speed Limit	PTZ Rotation Speed is depend on the Optical Zoom Adjustment, Limit the speed rate of PTZ control when the Lens zoom to Long Focus
Other	One Key to Restore Factory Settings, Anti-flicker, Triple code Stream, Heartbeat ,Image Rotation, Privacy Mask, Watermark, Access setting	
Network	Protocol	IPv4、TCP/IP、UDP、HTTP、DHCP、RTP/RTCP、FTP、UPnP、DDNS、NTP、IGMP、ICMP
	Compatible	ONVIF、GB/T 28181
	Security Mode	Password Protection, Multilevel users access
	User Maintenance	Remote Maintenance can be Achieved Through Network Remote Upgrade
	Log Management	Support Log Management, Provides Operational Logs, Alarm Logs, The Records of Wrong Log and Query
	API Integration	Support micro SDHC/SDXC、TF off line storage(optional), Video Clip and Snapshot(optional), Platform support events recording ,second intelligent retrieval and Analysis .
Interface	Communication Port	1*RJ45 10M/100M Adaptive Ethernet ,Double Channel Fusion and Single IP Output
	Power Port	Support
	Others	Alarm in/out, Audio, Storage interface, Analog video Output Ports are Optional
Generally	Working Temperature	-40°C~+65°C
	Environment Humidity	<90%RH (No Condensation)
	Static/Surge Protection	TVS6000V Lightning Protection and Surge Protection, Comply with GB/T17626.5 Standard
	PTZ Protection Level	IP66
	Power Supply	AC24V/2.5A or DC12V/3.5A (optional)
	Watts	Normal Operation≤30W, Start-up Peak≤40W
	Dimension(mm)	L345 x W190 x H245
	Weight	Approximate 7.5Kg, depends on the optional
Optional	Bracket	Shock Absorption Bracket (optional)
	Camera Module	Various kind of Camera Module (optional)
	Thermal Module	Various kind of Thermal Image Detection Lens (optional)

Product Application: “T” type thermal imaging PTZ HD network camera, which it was integrated optical zoom visible camera with defog function, passive infrared thermal image detector and high precision 360° panoramic PTZ, double spectral and multi-channels complementary ,implement 24

hours visible monitoring under at low illumination ,bad haze weather and night. The machine body adopts high strength anti-vibration alloy die-casting shell, anti-spraying, thermal insulation ,high/cold temperature resistance, impact and corrosion resistance, has good performance for anti-wind and anti-shock. Very suitable for car, outdoor and harsh environments and other occasions which need HD video effect in 24-hours,It can provide completely HD video solutions for police station, prison, border defense, coastal defense, highway bridge and tunnel, car(ship), sea maritime, airport, petroleum and petrochemical and more places under at all-weather (light/backlight/bright light, rain/snow/fog, etc) .

Installation :

