VERYEK AI TECH LIMITED www.verytek.com sales@verytek.com

Vehicle & Marine Smart Network Thermal Camera

- Resolution: 640*512 / 384*288 / 256*192
- Horizontal FOV: 18°–110° Optional
- Video Output: ONVIF / RTSP / DHCP
- AI: Person / Vehicle / Animal Detection & Ranging



Vehicle & Marine Smart Network Thermal Camera



TNV Series Vehicle & Marine Smart Network Thermal Camera

Product Name:

Network Thermal Camera

Order Model:

TNV6-9.1

Thermal Focal Length

Thermal Resolution

Applications:

Special command vehicles

Border defense, railway, traffic police

Commercial vehicles, mining trucks

Unmanned vehicles

Robot dogs Unmanned boats Fishing boats, cruise

Overview:

The TNV series is a thermal camera with built-in person/vehicle/animal detection, ranging and a network interface; IP67 rated. It detects and recognizes targets in total darkness, suited to special-vehicle mobile command, unmanned vehicles, robot dogs, commercial vehicles, and small-boat night sea observation.

Features:

- 256*192 / 384*288 / 640*512 resolutions.
- Multiple lenses optional.
- ONVIF / RTSP / DHCP protocols.
- 7 pseudo-color palettes.
- Adjustable brightness / contrast.
- Wired network to Android platform; companion APP.
- Person/vehicle/animal detection; custom alarm regions.
- 3V high-level alarm output; alarm speaker.
- Person/vehicle/animal ranging; self-calibration.

Cable Harness:



- DC12V Power
- RJ45 Network Port
- 1-Alarm 3.3V high level
2-GND
3-Speaker +
4-Speaker -

Specifications

www.verytek.com

Product Name	Smart Network Thermal Camera								
Thermal Configuration									
Resolution	**256*192**			384*288		640*512			
Vehicle Models	**TNV2-2**	**TNV2-4**	**TNV2-9.1**	**TNV3-4**	**TNV3-9.1**	**TNV6-4**	**TNV6-4.6**	**TNV6-9.1**	**TNV6-13**
Focal Length	2mm	4mm	9.1mm	4mm	9.1mm	4mm	4.6mm	9.1mm	13mm
FOV	100*70°	45°33°	18°13°	66°55°	29°22°	110*88°	95*76°	45°37°	34°27°
Night Range (P)	40m	94m	236m	150m	214m	85m	108m	214m	306m
Night Range (V)	70m	138m	347m	240m	315m	140m	159m	315m	451m
AI Range (P)	15m	60m	100m	70m	100m	50m	60m	80m	100m
AI Range (V)	30m	100m	200m	120m	200m	90m	100m	200m	200m
AI Range (Animal)	10m	40m	60m	45m	60m	35m	40m	50m	60m
Window / Defrost	Supported (not for 100°/110°/95° wide FOV)								
Detector Type	VOx Uncooled IR FPA Detector								
Spectral Band	8~14μm / 12μm								
NETD	≤40mK @25℃，F#1.0								
General									
Main Controller	3 TOPS NPU								
AI Features	Person/Vehicle/Animal detection, ranging, custom alarm regions, multi-region linkage								
Alarm Output	Built-in alarm speaker; browser alarm; high-level output								
Local Recording	Supported								
Network Protocols	RTSP, ONVIF, DHCP (with alarm output)								
Image Mode	Default White-hot; 7 palettes; adjustable brightness/contrast								
Remote Upgrade	Supported								
Storage Temp.	-35°~75°								
Operating Temp.	-30°~70°								
Voltage	DC12V								
Power	<6W								
Wi-Fi	Supported (Optional)								
Dimensions	L235*W75*H70mm								
Weight	Approx. 300g								