

WIPDT5NEB

# THERMAL EYEBALL CAMERA

5MP Dual Camera



## Key Features

- Resolution: 256×192
- Temperature range: -20°C~150°C
- Multi-palette: white hot, black hot, iron oxide red, etc.
- Sound and light warning, temperature exception alarm, fire detection
- Supports temperature overlay on video stream
- Intelligent analytics: intrusion detection (human/motor vehicle classification), line crossing detection (human/ motor vehicle classification), scene change detection, video exception detection, target counting(human/ vehicle /non-motor vehicle classification), face detection, face capture
- Supports dual image fusion
- 5MP ( 2592 × 1944 ) @30 fps
- ICR auto switch, true day/night vision
- 20~30m IR night view distance
- 3D DNR, true WDR(120dB), HLC, BLC, Smart IR, distortion image correction, ROI etc.

The Genie **WIPDT5NEB** is a 5MP Dual Camera True And Thermal Image With AI Heat Source Alarm Trigger And Fire Detection.



genie

# Specification

## Thermal Module

<b>Detector Type</b>	12µm 256x192
<b>Response Waveband</b>	8µm-14µm
<b>NETD</b>	≤50mK(@25°C, F#=1.0)
<b>Iris Type</b>	Fixed Iris
<b>Lens</b>	3.2mm@F1.1
<b>Field of View(H×V)</b>	56°×42.2°
<b>Min. Focusing Distance</b>	0.5 m
<b>Colour Palettes</b>	Black hot, White hot, iron oxide red, etc.
<b>DRI Distance Human (0.75m)</b>	Detection: 133m(436ft) Recognition: 33m(108ft) Identification:17m(56ft)
<b>DRI Distance Vehicle (2.3m)</b>	Detection: 409m (1342ft) Recognition: 102m(335ft) Identification:51m(167ft)

## Functions

<b>Temperature Range</b>	-20°C~150°C (-4°F~302°F)
<b>Temperature Accuracy</b>	±8°C
<b>Temperature alarm</b>	Over temperature alarm, low temperature alarm
<b>Temperature Measurement</b>	10 rules in total (Point: up to 10; Line: up to 10; Area: up to 10)
<b>Fire Detection</b>	Dynamic fire detection, up to 10 fire points detectable
<b>Remote Monitoring</b>	Web browser/NVMS2.X/Mobile APP
<b>Online Connection</b>	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
<b>Network Protocol</b>	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS
<b>Interface Protocol</b>	ONVIF
<b>Storage</b>	Network remote storage; micro SD card storage
<b>Smart Alarm</b>	Motion detection, SD card error, SD card full, IP address conflict, Cable connection
<b>Intelligent Analytics</b>	<b>Optical:</b> intrusion detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), scene change detection, video exception detection, target counting (human/motor vehicle/non-motor vehicle classification), face detection, face capture <b>Thermal:</b> fire detection, temperature exception alarm, intrusion detection/line crossing detection (human/motor vehicle classification) AI function can be enabled simultaneously on thermal and optical channels
<b>General Function</b>	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
<b>Sound&amp;Light Warning</b>	White light flashing alarm and sound alarm supported
<b>PoE</b>	Yes, IEEE802.3 af, class0
<b>IR Distance</b>	20~30m
<b>Protection Grade</b>	IP66

## Image

<b>Video Compression</b>	H.265 / H.264 / MJPEG
<b>H.264 Compression Standard</b>	Baseline Profile / Main Profile / High Profile
<b>Bit Rate Type</b>	VBR/CBR
<b>Bit Rate</b>	128Kbps~8Mbps
<b>Resolution</b>	<b>Optical:</b> 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240 <b>Thermal:</b> 720P (1280 × 720), D1, CIF, 480 × 240
<b>Main Stream</b>	<b>Optical:</b> 60Hz: 5MP/4MP/2K/3MP/1080P/720P(1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps) <b>Thermal:</b> 256 × 192 (the resolution of output image is 720P/D1/CIF/480×240) (1~25fps)
<b>Sub Stream</b>	<b>Optical:</b> 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
<b>Third Stream</b>	<b>Optical:</b> 60Hz: D1/CIF/480×240(1~30fps); 50Hz: D1/CIF/480×240(1~25fps)
<b>Dual Image Fusion</b>	Yes
<b>Temperature Overlay</b>	Temperature can be overlaid on video stream
<b>Image Settings</b>	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser
<b>Audio Compression</b>	G711A/U
<b>ROI</b>	8 regions; each ROI to be configured separately

## Visible Light Module

<b>Image Sensor</b>	1/ 2.7" CMOS
<b>Image Size</b>	2592 × 1944
<b>Electronic Shutter</b>	1/3 s ~ 1 / 100000 s
<b>Iris Type</b>	Fixed Iris
<b>Min. Illumination</b>	0.02 lux@F1.6, AGC ON; 0 lux with IR 0.03 lux@F2.0, AGC ON; 0 lux with IR
<b>Lens</b>	4mm@F1.6
<b>Field of View(H×V)</b>	81°×56.7°
<b>Wide Dynamic Range</b>	120dB
<b>BLC</b>	Yes
<b>HLC</b>	Yes
<b>Defog</b>	Yes
<b>Digital NR</b>	2D/3D DNR

## Interfaces

<b>Network</b>	RJ 45
<b>Video Output</b>	No
<b>Audio</b>	1CH 3.5mm MIC/LIN in audio input; 1CH built-in MIC; 1CH built-in speaker
<b>Storage</b>	Built-in micro SD card slot; up to 256GB
<b>Reset</b>	Yes
<b>RS 485</b>	No
<b>Alarm</b>	1CH alarm input; 1CH alarm output

# Specification

## Others

<b>Power Supply</b>	DC12V / PoE
<b>Power Consumption</b>	< 9W
<b>Operating Environment</b>	Humidity: less than 95 % (non-condensing) -30 °C ~ 60 °C (-22°F~140°F)
<b>Certificate</b>	CE, FCC
<b>Environment Protection</b>	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
<b>Dimensions ( mm )</b>	Ø111.5 × 99.6
<b>Weight ( net )</b>	Approx. 0.68KG
<b>Installation</b>	Ceiling mounting; Wall mounting

## Dimensions

