



CA-NP252M8TNC-HAL-ALW3236PW 5MP High Density Thermal Bullet Network Camera



Full Color



Save Storage



AI Functions



Smart Dual Light



Thermal Camera



Active Deterrence



Thermal Camera

- High-Density Thermal Sensor 12μm, 256x192 Resolution
- High Quality Imaging With 5MP@30fps Optical Module
- Temperature Range: -20 °C to + 550 °C (-4 °F to + 1022°F)
- Support Smart Hybrid Light: White Light, IR and Smart Mode
- IR Viewable Distance: 30m
- Efficient Compression Technology H.265/H.264
- Active Deterrence: Red & Blue Warning Lights with Audio Alarm
- Advanced AI Features:
- Thermal: Intusion, Region Entrance, Region Exiting, Line Crossing detection, Fire detection, Temperature exception alarm, Pedestrian & Vehicle
- Optical: SMD, Crossing Counting, Crowd Density, Queue Length, Heat Map , Rare Sound, Face Detection.
- Wide Dynamic Range WDR (30fps), 3D DNR, HLC, BLC
- Built-in Microphone & Speaker
- Water and Dust Resistant (IP67,IK10)





I Specifications

Model Name	CA-NP252M8TNC-HAL-ALW3236PW
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	256×192
Pixel Interval	12μm
Response Waveband	8-14μm
NETD (Noise Equivalent Temperature Difference)	≤ 40 mk @ 25°C F1.0, 25Hz
Lens (Focal Length)	3.2mm
IFOV	3.75 mrad
Field of View	56°x42°
Aperture	F1.1
Optical Module	
Imaging Device	1/2.7"
Effective Pixels	5MP 2592(H)x1944(V)
Scanning System	Progressive CMOS
Min. Illumination	Color: 0.003 Lux @(F1.6, AGC ON), B/W: 0 @IR ON
Lens	
Focal Length	Fixed Lens 3.6mm
Max. Aperture Ratio	F1.6
Angular Field of View	Horizontal: 60° to 2.31°, Vertical: 35.5° to 1.3°, Diagonal: 67.5° to 2.65°
Operational	
IR LED	1pc
WarmLight	1pcs
Supplement Light Type	IR and Warm Light
Red Blue Light	2pcs (1Red & 1Blue)
IR Viewable Length	Up to 30m
Warm Light Range	Up to 15m
Day & Night	IR cut filter with auto switch
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Temperature Measurement	3 temperature measurement rule types (points, areas, and line), 20 rules in total
Temperature Range	-20 °C to + 550 °C (-4 °F to + 1022°F)
Temperature Accuracy	± 3°C / 3%
Fire Detection	Yes



Wide Dynamic Range	120dB
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 256GB
Alarm I/O	1 Input, 1 Output
Alarm Action	SD recording, Alarm Output, Smart Capture, FTP Upload, Email Linkage Audio Alarm, Red & Blue flashing light
Audio	Built-in Microphone & Speaker
Hardware Reset	Yes
Smart Features	Optical: Intusion, Region Entrance, Region Exiting, Line Crossing, Human & Vehicle Detection, Object Detection, Crossing Counting, Crowd Density, Queue Length, Heat Map , Rare Sound, Face Detection
	Thermal: Intusion, Region Entrance, Region Exiting, Line Crossing Detection, Fire detection, Temperature exception alarm, Human & Vehicle Detection
Video & Network	
Main Stream	Optical: 50Hz@25fps/ 60Hz@30fps; 5MP(2592x1944), 4MP(2592x1520), 3MP(2048x1536),3MP(2304x1296), Thermal: 50Hz/60Hz@25fps; 1280x720,640x480
Sub Stream	Optical: 50Hz@25fps/ 60Hz@30fps; 720P(1280x720), VGA(640x480), QVGA(320x240) Thermal: 50Hz/60Hz@25fps; 640x480,320x240
Mobile Stream	Optical: 50Hz@25fps/ 60Hz@30fps; VGA(640x480), QVGA(320x240) Thermal: 50Hz/60Hz@25fps; 640x480,320x240
User/Host Level	6 Users, 2 Levels: Administrator, User
Security Measures	User authentication (ID and PW), HTTPS encryption, IP address filtering
Ethernet	RJ45(10/100BASE-T)
Video Compression	H.265/H.264/MJPEG/H.265+/H.264+
Audio Compression	G.711u/G.711a
Bitrate control method	CBR/VBR
Protocol	TCP/IP , HTTP , DHCP , DNS, DDNS, RTP/RTSP , SMTP , NTP , UPnP , SNMP , HTTPS, FTP
On-Board Storage	Built-in micro SD card slot (up to 512 GB)
Interface Protocol	ONVIF(Profile S/G/T/M)



General	
Operating Temperature	-35°C to 60°C (-31°F to 140°F)
Operating Humidity	Humidity 90% or less (non-condensing)
Ingress Protection	IP67
Power	12VDC: 7.44W/PoE: 10.9W
Housing	Metal

■ Dimensions

