



H.265
Compression Code



HP-97B50PE-TM7

CAMERA 9700 SERIES
Bullet Network Camera



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Specification



Model	HP-97B50PE-TM7
Detector Type	12μm 256×192 Vanadium oxide uncooled focal plane detector
Response Waveband	8μm-14μm
NETD	≤50mK (@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	7mm@F1.0
Field of View(H×V)	24.8°×18.7°
Min. Focusing Distance	1.1m
Color Palettes	Black hot, White hot, iron oxide red, etc.
DRI Distance Human (0.75m)	Detection: 292m (958ft) Recognition: 73m (240ft) Identification: 36m (118ft)
DRI Distance Vehicle (2.3m)	Detection: 894m (2933ft) Recognition: 224m (735ft) Identification: 112m(367ft)
Visible Light Module	
Image Sensor	1/ 2.7" CMOS
Image Size	2592 × 1944
Electronic Shutter	1/3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux@F1.6,AGC ON; 0 lux with IR 0.03 lux@F2.0,AGC ON; 0 lux with IR
Lens	8mm@F2.0
Field of View(H×V)	38°×27.5°
Wide Dynamic Range	120dB
BLC / HLC / Defog	Yes
Digital NR	2D / 3D DNR
Image	
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR / CBR
Bit Rate	128Kbps~ 8Mbps
Resolution	Thermal : 720P (1280 × 720), D1, CIF, 480 × 240 Optical: 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	Optical: 60Hz: 5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps) Thermal : 256 × 192 (the resolution of output image is 720P/D1/CIF/480×240) (1~25fps)
Sub Stream	Optical: 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	Optical: 60Hz: D1/CIF/480×240(1~30fps); 50Hz: D1/CIF/480×240(1~25fps)
Dual Image Fusion	Yes
Temperature Overlay	Temperature can be overlaid on video stream
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser

Thermal

- * Resolution: 256×192
- * 12μm, NETD: ≤50mK (@25°C, F#=1.0)
- * 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
- * Intelligent analytics: intrusion detection (human/motor vehicle classification), line crossing detection (human / motor vehicle classification)
- * Supports dual image fusion
- * Supports temperature overlay on video stream

Optical

- * 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.
- * Intelligent analytics: intrusion detection (human/motor vehicle/non-motor vehicle classification), line crossing detection (human/motor vehicle/non-motor vehicle classification), target counting(human/vehicle /non-motor vehicle classification), face detection, face capture



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Model	HP-97B50PE-TM7
Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately
Interfaces	
Network	RJ 45
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
Alarm	1CH alarm input; 1CH alarm output
Functions	
Temperature Range	-20°C~150°C or 100°C~550°C
Temperature Accuracy	±8°C
Temperature alarm	Over temperature alarm, low temperature alarm
Temperature Measurement	10 rules in total (Point: up to 10; Line: up to 10; Area: up to 10)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Web browser/NVMS2.X/Mobile APP
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPs, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable connection, video exception, audio exception
Intelligent Analytics	Optical: intrusion detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), target counting (human/motor vehicle/non-motor vehicle classification) , face detection, face capture Thermal: 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
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Sound&Light Warning	White light flashing alarm and sound alarm supported
PoE	Yes , IEEE802.3 af, class0
IR Distance	20~ 30m
Protection Grade	IP66
Others	
Power Supply	DC12V / PoE
Power Consumption	< 9W
Operating Environment	Humidity: less than 95 % (non-condensing) -30 °C ~ 60 °C (-22°F~140°F)
Dimensions (mm)	217.8 × 80.5 × 80.3
Weight (net)	Approx. 0.7KG