



**5M** Megapixel  
Network Camera Series



**[Ai]**

**HP-78B502PE-AI**

**CAMERA 7800 SERIES**  
**5Megapixel Network Camera**





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Network Camera Series



## Specification



## Feature

- \* 1/2.7" Progressive CMOS, H.265/H.264
- \* Pixels 5MP 2880(H) x 1620(V)
- \* Focal Length (Zoom Ratio) 2.8mm
- \* Min. Object Distance 1.8M
- \* IR Viewable Length Up to 30m
- \* White Balance Auto/Manual
- \* Micro SD slot, up to 256GB
- \* Built-in microphone
- \* RJ45 (10/100BASE-T)
- \* ONVIF (Profile S/G/T)
- \* Ingress Protection IP67
- \* D12V / POE (IEEE802.3af)

Model	HP-78B502PE-AI
Imaging Device	1/2.7"
Effective Pixels	5MP 2880(H) x 1620(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.004lux @ F1.6(AGC ON); B/W 0 lux @ IR ON
Lens Type	
Focal Length (Zoom Ratio)	2.8mm
Max. Aperture Ratio	F No. 1.6
Angular Field of View	Horizontal: 110°, Vertical: 58°, Diagonal: 133°
Min. Object Distance	1.8M
Lens Type	Fixed (M12)
Operational	
IR Viewable Length	Up to 30m
Camera Title	On/Off
Day & Night	IR cut filter with auto switch (Day / Night / Auto / Image / Schedule)
Backlight Compensation	Off / On (5 Zone)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Motion Detection	Off / On (8 Level)
Privacy Masking	Off / On (4 Zone, Rectangle)
Gain Control	Auto
White Balance	Auto / Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	NA
Audio	Built-in microphone
Hardware Reset	Yes
Smart Feature	Face Detection (FD) Human&Vehicle Detection (PD&VD) Perimeter Intrusion Detection (PID) Line Crossing Detection (LCD) Cross Counting (CC) Stationary Object Detection (SOD) Heat Map (HM) Crowd Density Detection (CD) Queue Length Detection (QD) license Plate Detection (LPD) Rare Sound Detection (RSD)
Network	
Ethernet	RJ45 (10/100BASE-T)
Video Compression Format	H.265 / H.264

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Model	HP-78B502PE-AI
Resolution	Mainstream @30fps 5MP (2880x1620), 4MP (2560x1440) 3MP (2304x1296), 1080P (1920x1080) 720P (1280x720) Substream @30fps 720P (1280x720), VGA (640x480), QVGA (320x240) Mobilestream @30fps VGA (640x480), QVGA (320x240)
Video Quality Adjustment	256Kbps ~ 8Mbps
Bitrate control method	CBR / VBR
Streaming Capability	Triple-Stream (Main / Sub / Mobile)
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Web browser	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above
Security	IP address filter; complicated password; Authenticated username and password
Streaming Method	Unicast / Multicast
Application Programming Interface	ONVIF (Profile S/G/T)
Environmental	
Operating Conditions	-35~+60°C / less than ≤ 95% RH
Ingress Protection	IP67
Electrical	
Input Voltage / Current	D12V / POE (IEEE802.3af)
Power Consumption (IR OFF)	2W-3W
Power Consumption (IR ON)	4W-5.5W
Mechanical	
Material	Metal
Dimensions (HxWxD)	150.8*70.9*70.9mm
Weight	400g

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