



# 2M Megapixel

Network Camera Series



**[Ai] CAMERA**  
IR Bullet AI Camera

**CAMERA 7800 SERIES**  
2Megapixel Network Camera

# [Ai] CAMERA

IR Bullet AI Camera



## Feature

- \* 1/2.8" progressive scan CMOS
- \* Pixels 2.0 Megapixel
- \* Min. Illumination Color: 0.002Lux @(F1.2,AGC ON)  
B/W: 0 lux with IR
- \* Focal Length Manual 2.8-12 mm
- \* IR IR Array x4 IR Distance Up to 45m
- \* IR Intensity Smart IR
- \* Day / Mode Auto / Day / Night / Timing
- \* H.265+ / H.264+ / H.265 / H.264 / MJPEG
- \* User Interface Web browsing, CMS remote control
- \* Application Programming ONVIF( Profile S/G/T)
- \* Ethernet 10/100BASE-T, RJ45 interface (PoE)
- \* Protection Level IP66
- \* Power 12V DC / PoE (IEEE802.3af)

# CAMERA 7800 SERIES

## 2Megapixel Network Camera

## Specification

Model		HP-78B20VPE-AI
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.002Lux @(F1.2,AGC ON) / B/W: 0 lux with IR	
Shutter Speed	1/5 ~ 1/20000s	
Day / Night	Auto (ICR) / Color / BW / Schedule	
Wide Dynamic Range	WDR	
White Balance / Gain Control	Auto / Manual	
Backlight Compensation	WDR / BLC / HLC	
Lens		
Mount Type	Ø14	
Focal Length	Manual 2.8-12 mm	
Max. Aperture Ratio	F No. 1.8 (W) ~ 3.3(T)	
Angle of View	Horizontal: 101 ~ 33, Vertical: 52 ~ 18, Diagonal: 124 ~ 37	
Min. Object Distance	1.2m (M/T)	
Infrared		
IR	IR Array x4	
IR Distance	Up to 45m	
IR Intensity	Smart IR	
Day / Mode	Auto / Day / Night / Timing	
Sensitivity	Auto	
Infrared Mode	Auto / On / Off / low beam control / High Beam control	
Video		
Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG	
Frequency	50Hz / 60Hz	
Image Resolution	Main stream: 1920x1080 / 1280x960 / 1280x720 Secondary stream: 1280x720 / 640x480 / 320x240 Mobile stream: 640x480 / 320x240	
Frame Rate	Main stream: 1920x1080 / 1280x960 / 1280x720 @25/30fps Secondary stream: 1280x720 / 640x480 / 320x240 @25/30fps Mobile stream: 640x480 / 320x240 @25/30fps	
Bitrate	8Kbps ~ 8Mbps	
Bitrate Control	VBR / CBR	
Triple-stream	Supported	
Privacy Masking	Up to 4 zones	
Digital Noise Reduction	3D Noise reduction	
Digital Defog	Supported	
Image Flip	Flip / Mirror	
Snapshot	Supported	
Network		
Network Protocols	TCP/IPv4, HTTP, HTTPS, DHCP, DNS/DDNS, RTSP, PPPoE, FTP, UPnP, IEEE802.1x, SNMP, SMTP, P2P, NTP, DST	
User Interface	Web browsing, CMS remote control	
Application Programming	ONVIF (Profile S/G/T)	
Log	Supported / Export (Excel)	
Maintenance	Backup and restore / Reboot / Upgrade	
Security	IP address filter / complicated password Authenticated username and password	
Streaming Method	Unicast / Multicast	
Alarm		
Alarm Triggers	Email (Max. 3) / FTP / Cloud Dropbox / Alarm out / Recording	
Events	Motion detection / Sound Detection / Alarm in (SOS)	
Intelligent	FD / PD&VD / PID / LCD / SOD /CC /HM / CD /QD / FR / AD/ FA Statistics (FD, Human&Vehicle, CC, HM)	
Database	Face database 30,000 Pics	
Interfaces		
Ethernet	10/100BASE-T, RJ45 interface (PoE)	
Audio In/out	RCA in x1/ RCA out x1	
Alarm in/out	Alarm in x1 /out x1	
Hardware Reset	Support	
Environmental		
Operating Temperature	-30~55C	
Operating Humidity	Less than 95% (non-condensing)	
Storage Conditions	-30 +60C / less than ≤ 95% RH	
Protection Level	IP66	
Electrical		
Power	12V DC / PoE (IEEE802.3af)	
Power Consumption (IR OFF)	2W/3W	
Power Consumption (IR ON)	6W/8W	
Mechanical		
Dimensions	242.12 x 87.4 x 83.88mm	
Mounting Bracket	Bracket included	
Installation	Ceiling mounting / Wall mounting	