

CAMERA

# HP-97B20VPE-E3-AI

2MP IR Starlight Bullet Network Camera



- 2MP ( 1920 × 1080 ) @30fps
- Support smart H.265/H.264 coding
- 50 ~ 70m IR night view distance
- Motorized zoom lens
- Starlight
- 3D DNR, true WDR, HLC, BLC, Smart IR and ROI coding
- ICR auto switch, true day / night vision
- Support corridor mode
- Support image distortion correction
- Built-in micro SD card slot, up to 128GB
- 1CH alarm input; 1CH alarm output
- DC12V/PoE power supply
- IP67 ingress protection; Support three streams
- P2P function optional
- Support mobile surveillance by smart phones & tablet PCs with iOS and Android OS
- Intelligent analytics

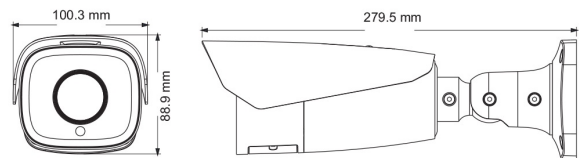


## SPECIFICATIONS

| Specifications                              | Model | HP-97B20VPE-E3-AI  |
|---|-------|--|
| <b>Camera</b>                               |       |  |
| Image Sensor                                |       | 1 / 2.8" CMOS  |
| Image Size                                  |       | 1920 × 1080  |
| Electronic Shutter                          |       | 1 / 25 s ~ 1 / 100000 s  |
| Iris Type                                   |       | DC Iris  |
| Min. Illumination                           |       | 0.0038 lux@F1.4, AGC ON; 0 lux with IR<br>0.0028 lux@F1.2, AGC ON; 0 lux with IR   |
| Lens  |       | 2.8~12mm@F1.4, motorized   |
| Field of View                               |       | Horizontal: 103°~32°; Vertical: 70.5°~18.3°; Diagonal: 110.6°~36.4°  |
| Lens Mount                                  |       | Φ14  |
| Day& Night                                  |       | ICR  |
| Wide Dynamic Range                          |       | 120dB  |
| BLC   |       | Yes  |
| HLC   |       | Yes  |
| Defog                                       |       | Yes  |
| Digital NR                                  |       | 3D DNR   |
| Angle Adjustment                            |       | Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°  |
| <b>Image</b>                                |       |  |
| Video Compression                           |       | Smart H.265 / H.265+ / H.265 / Smart H.264 / H.264+ / H.264 / MJPEG  |
| H.264 Compression Standard                  |       | Baseline Profile/Main Profile/High Profile   |
| Resolution                                  |       | 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240   |
| Main Stream                                 |       | 60Hz:1080P/720P(1~30fps); 50Hz:1080P / 720P(1~25fps)   |
| Sub Stream                                  |       | 60Hz:720P/D1/CIF/480×240 (1~30fps);<br>50Hz:720P/D1/CIF/480×240 (1~25fps)  |
| Third Stream                                |       | 60Hz:D1/CIF /480×240 (1~30fps); 50Hz:D1/CIF/480×240 (1~25fps)  |
| Bit Rate                                    |       | 64 Kbps ~ 6 Mbps   |
| Bit Rate Type                               |       | VBR / CBR  |
| Audio Compression                           |       | G711A / U  |
| Image Settings                              |       | ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client software or web browser |
| ROI   |       | Each ROI to be configured separately   |
| <b>Interfaces</b>                           |       |  |
| Network                                     |       | RJ45   |
| Video Output                                |       | CVBS (BNC × 1)   |
| Audio                                       |       | 1CH audio input; 1CH audio output  |
| Storage                                     |       | Built-in micro SD card slot; up to 128GB   |
| Reset                                       |       | Yes  |
| Alarm                                       |       | 1CH alarm input; 1CH alarm output  |
| <b>Intelligent Analytics (Smart Events)</b> |       |  |
| Perimeter Protection                        |       | Line crossing, region entrance/exiting/intrusion (human/motor vehicle/non-motor vehicle classification)                          |
| Target Counting                             |       | Line crossing human/motor vehicle/non-motor vehicle counting   |
| Exception Detection                         |       | Scene change, video blur and video color cast detection  |
| Face Detection                              |       | Face detection and face capture  |
| General Intelligence                        |       | Crowd density detection, heat map, object abandoned/missing detection*   |
| <b>Functions</b>                            |       |  |
| Remote Monitoring                           |       | Web browsing, CMS remote control   |
| Online Connection                           |       | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                               |
| Network Protocol                            |       | UDP, IPv4, IPv6, DHCP, NTP, RTSP, 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, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection                            |

|                       |   |
|-----------------------|---|
| General Function      | Watermark, IP address filtering, video mask, heartbeat, password protection, non-photosensitive switch, image distortion correction |
| PoE                   | Yes, IEEE802.3af  |
| IR Distance           | 50 ~ 70 m   |
| Ingress Protection    | IP67  |
| <b>Others</b>         |   |
| Power Supply          | DC12V/PoE   |
| Power Consumption     | < 12W   |
| Operating Environment | -30 °C ~ 60 °C (-22°F~140°F)<br>Humidity: less than 95% (non-condensing)  |
| Dimensions (mm)       | 279.5 × 100.3 × 88.9  |
| Weight (net)          | Approx. 1.04KG  |
| Installation          | Ceiling mounting; Wall mounting   |

## DIMENSIONS



\*Grey items are being developed and coming soon.