

# 4K ULTRA

Network Camera Series



|                                                                                                               |                                                                                                                      |                                                                                                                     |                                                                                                                      |                                                                                                        |                                                                                                           |                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>4K</b><br>Ultra HD                                                                                         | <br>H.265<br>H.264<br>Compression | <br>ROI<br>Support               | <br>Video<br>Analytics<br>Support | <br>PIR<br>Support | <br>Onvif<br>Support | <br>Built-in<br>Speaker<br>Bracket<br>Support |
| <br>DAY & Night<br>Support | <br>LED<br>Smart IR               | <br>Light<br>10M<br>Flood Lightg | <br>BLC<br>Support                | <br>WDR<br>Support | <br>PoE<br>Support   | <br>Two Way<br>Audio<br>Support               |

## CAMERA 7800 SERIES

### 4K Ultra HD Network Camera



## Feature

- 1/2.3" progressive scan CMOS
- Pixels 3840(H)x2160(V), 8.0MP. / H.265, H.264
- Min. Illumination Color 0.1lux @ F1.2(AGC ON)  
B/W 0 lux @ IR ON
- Stream Triple-Stream
- Focal Length 3.6 mm
- 2 Array IR (850nm), Up to 30M., Smart IR
- Flood light Array x2 Pcs., Up to 10M
- IR CUT (IR Filters)
- WDR, DEFOG, BLC, ATW, AGC, ROI, 3D-DNR, ONVIF2.6, P2P
- Smart Intelligent Detection, Email alarm, Motion alarm
- IP66 / Mic-Built-in, Speaker-Built-in, TF-card, PIR Sensor
- Power supply 12VDC/POE

# CAMERA 7800 SERIES

## 4K Ultra HD Network Camera

## Specification

1/1

| Model                   | HP-78B80PE/L                                                                                                                                                                                                                   |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor            | 1/2.3" progressive scan CMOS                                                                                                                                                                                                   |
| Pixels                  | 3840(H)x2160(V), 8.0MP.                                                                                                                                                                                                        |
| Min. Illumination       | Color 0.1lux @ F1.2(AGC ON) / B/W 0 lux @ IR ON                                                                                                                                                                                |
| Shutter Speed           | 1/5s ~ 1/20000s/AUTO                                                                                                                                                                                                           |
| Slow Shutter            | Supported (Auto, Manual)                                                                                                                                                                                                       |
| Day / Night             | Auto (ICR) / Color / B/W/ Schedule                                                                                                                                                                                             |
| IR CUT (IR Filters)     | Supported                                                                                                                                                                                                                      |
| Wide Dynamic Range      | Digital WDR (Autp, Manual)                                                                                                                                                                                                     |
| White Balance           | AUTO / INDOOR / MANUAL                                                                                                                                                                                                         |
| Gain Control (AGC)      | Auto / Manual (Off/Low/Mid/High)                                                                                                                                                                                               |
| Backlight Compensation  | BLC (Low,Mid,High)                                                                                                                                                                                                             |
| Defog                   | Supported (Auto, Manual)                                                                                                                                                                                                       |
| Lens                    |                                                                                                                                                                                                                                |
| Mount Type              | M12                                                                                                                                                                                                                            |
| F-Stop                  | F2.0 +-5%                                                                                                                                                                                                                      |
| Focal Length            | 3.6 mm                                                                                                                                                                                                                         |
| Angle of View           | H.FOV: 85°                                                                                                                                                                                                                     |
| Infrared                |                                                                                                                                                                                                                                |
| IR                      | 2 Array IR (850nm)                                                                                                                                                                                                             |
| IR Angle                | 100°                                                                                                                                                                                                                           |
| IR Distance             | Up to 30M.                                                                                                                                                                                                                     |
| IR Intensity            | Smart IR                                                                                                                                                                                                                       |
| IR Swap                 | Supported                                                                                                                                                                                                                      |
| White Light             |                                                                                                                                                                                                                                |
| Flood Light             | Array x2 Pcs.                                                                                                                                                                                                                  |
| Flood Light Distance    | Up to 10M                                                                                                                                                                                                                      |
| PIR                     |                                                                                                                                                                                                                                |
| PIR Angle               | Up to 115°                                                                                                                                                                                                                     |
| PIR Distance            | Up to 7M.                                                                                                                                                                                                                      |
| Video / Audio           |                                                                                                                                                                                                                                |
| Video Compression       | H.265, H.264 (Baseline, Main profile, High profile)                                                                                                                                                                            |
| Audio Compression       | G711A, G711U, ADPCM, G726 16k<br>G726 24k, G726 32k, G726 40k                                                                                                                                                                  |
| Two-Way-Audio           | Supported                                                                                                                                                                                                                      |
| Recording               | Main Stream, Sub Stream                                                                                                                                                                                                        |
| PreRecord               | Supported                                                                                                                                                                                                                      |
| Record Schedule         | Supported (Normal, Motion, PIR)                                                                                                                                                                                                |
| Playback                | Supported (IE Tf-Card)                                                                                                                                                                                                         |
| Stream                  | Triple-Stream                                                                                                                                                                                                                  |
| Image Resolution        | Main Stream 8MP (3840x2160), 4MP(2592x1520), 3MP(2304x1296)<br>1080P(1920x1080), 720P(1280x720)<br>Sub Stream 1080P(1920x1080), 720P(1280x720)<br>VGA(640x480)<br>QVGA(320x240)<br>Mobile Stream VGA(640x480)<br>QVGA(320x240) |
| Frame Rate              | Main Stream 1~15fps<br>Sub Stream 1~15fps<br>Mobile Stream 1~15fps                                                                                                                                                             |
| Bitrate                 | 8Kbps ~ 16Mbps                                                                                                                                                                                                                 |
| Bitrate Control         | VBR / CBR                                                                                                                                                                                                                      |
| Privacy Masking         | Supported Up to 4 zones                                                                                                                                                                                                        |
| ROI                     | Supported (Max.8)                                                                                                                                                                                                              |
| Digital Noise Reduction | 3D noise reduction (Auto,Manual)                                                                                                                                                                                               |
| Digital Defog           | Supported                                                                                                                                                                                                                      |
| Image Setting           | Hue, Bright, Contrast, Saturation, Sharpness                                                                                                                                                                                   |
| Image Flip / Mirror     | Supported                                                                                                                                                                                                                      |



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- Power supply 12VDC/POE

## Specification

1/2

| Model                           | HP-78B80PE/L                                                                                                                                                                          |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens Flip / Angle Flip          | Supported                                                                                                                                                                             |
| Angle Rotation                  | Supported                                                                                                                                                                             |
| Corridor Mode                   | Supported                                                                                                                                                                             |
| E-Zoom / OSD Setting            | Supported                                                                                                                                                                             |
| Anti Flicker                    | Supported (50Hz, 60Hz)                                                                                                                                                                |
| <b>Network</b>                  |                                                                                                                                                                                       |
| Network Protocols               | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP<br>PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP, P2P                                                                                              |
| DDNS                            | Hiview DDNS, DynDNS, NO-IP, 3322                                                                                                                                                      |
| User Interface                  | IE 11, CMS, APP                                                                                                                                                                       |
| Account Management              | Supported                                                                                                                                                                             |
| Max. User Access                | Max. 7 accounts                                                                                                                                                                       |
| Application Programming         | ONVIF 2.6                                                                                                                                                                             |
| Cloud (P2P)                     | Supported                                                                                                                                                                             |
| Import Export Config            | Supported                                                                                                                                                                             |
| Network Upgrade                 | Supported                                                                                                                                                                             |
| IP Filter                       | Supported                                                                                                                                                                             |
| Maintain (Auto Reboot)          | Supported                                                                                                                                                                             |
| <b>Alarm</b>                    |                                                                                                                                                                                       |
| Push Alarm (App)                | Supported                                                                                                                                                                             |
| Email Alarm                     | Supported (max.3 receivers)                                                                                                                                                           |
| Motion Detection                | Supported                                                                                                                                                                             |
| PIR Alarm                       | Supported                                                                                                                                                                             |
| Occlusion Detection             | Supported                                                                                                                                                                             |
| Alarm Events                    | Text overlay, Email notice, LOG                                                                                                                                                       |
| Alarm Triggers                  | Email / FTP/ Siren/ Light/ Record                                                                                                                                                     |
| Smart Intelligent Detection     | Perimeter Intrusion Detection (PID)<br>Line Crossing Detection (LCD)<br>Stationary Object Detection (SOD)<br>Pedestrian Detection (PD)<br>Face Detection (FD)<br>Cross Counting. (CC) |
| Intelligent Schedule            | Supported                                                                                                                                                                             |
| Intelligent Analysis Report     | Supported (Daily, Weekly, Monthly, Annual), List, Histogram, Line Chart                                                                                                               |
| Intelligent AnalysisExport      | Supported (Excel format)                                                                                                                                                              |
| <b>Interfaces</b>               |                                                                                                                                                                                       |
| Ethernet                        | 10/100M, RJ45 interface x1                                                                                                                                                            |
| PIR Sensor                      | Supported x1                                                                                                                                                                          |
| Memory Slot                     | Supported x1 (Max. 128GB)                                                                                                                                                             |
| Built-in Mic / Built-in Speaker | x1                                                                                                                                                                                    |
| Power input DC jack             | x1                                                                                                                                                                                    |
| <b>Environmental</b>            |                                                                                                                                                                                       |
| Operating Temperature           | -20C ~ +40C                                                                                                                                                                           |
| Storage Temperature             | -30C ~ +60C                                                                                                                                                                           |
| Operating Humidity              | 10% ~ 90%                                                                                                                                                                             |
| Protection Level                | IP66                                                                                                                                                                                  |
| <b>Electrical</b>               |                                                                                                                                                                                       |
| POE                             | Supported (Class 0)                                                                                                                                                                   |
| Power Supply                    | 12V DC +/- 10% / PoE (IEEE802.3af)                                                                                                                                                    |
| Power Consumption               | IR Off ≤7W                                                                                                                                                                            |
| <b>Mechanical</b>               |                                                                                                                                                                                       |
| Casing Material                 | Metal bullet                                                                                                                                                                          |
| Weight                          | appr. 349g                                                                                                                                                                            |
| Dimensions                      | Φ70mmx151mm                                                                                                                                                                           |
| Mounting Bracket                | Bracket included                                                                                                                                                                      |

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