# IPG-85HE20PY Network Camera
# User Manual

## 2MP H.265 Network HD Camera



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# 1. Functional Characteristics:




- ★ 1080P High-definition resolution, black light illumination, clear and delicate images;
- ★ Support2D/3D Noise reduction, digital wide dynamic function;
- ★ Advanced H.265++/H.265+/H.265/H.264 Video compression technology, ultra-low bit rate, high-definition quality;
- ★ Lightning protection, in line with national standards GB/T17626.5, international standard IEC61000-4-5;
- ★ Support ONVIF Protocol, which can be connected to third-party backend/platform;
- ★ Support mobile phone monitoring (iOS, android );
- ★ Support Web Terminal, CMS, center management platform software MYEYE, provided SDK development;
- ★ Supports multiple cloud technologies to achieve network penetration, front-end and back-end docking, and push alarm information to mobile phones;

# 2. Product Parameters

| Specifications | IPG-85HE20PY |
|---|---|
| System Structure | Embedded RTOS design, dual-core 32-bit DSP (Hi3516EV100), pure hardware compression, watchdog |
| Sensor | 2MP 1/2.9"F37 CMOS sensor; color 0.0001Lux@F1.2, black and white 0.0001Lux@F1.2 |
| Video Processing | H.265++/H.265+/H.265/H.264 encoding, support dual stream, AVI format; stream 0.1M~8Mpbs adjustable; frame rate 1~30 frames/second adjustable |
| Image Output | Main stream: 1920*1080@20fps, 1280*720@25fps; Sub stream: 704*576 @25fps |
| Shutter | 1/50(1/60) sec to 1/10000 sec |
| Lenses | 2.8MM |
| Day and night mode | Support IR-CUT |
| Noise Reduction | Support 2D/3D noise reduction |
| Wide dynamic range | Support digital wide dynamic |
| Automatic aperture | none |
| Audio Processing | G.711A codec standard, supports two-way voice intercom function, supports audio and video synchronization |
| Audio Interface | 1 input, level 2Vp-p, impedance 1kΩ, supports pickup input; 1 output, impedance 16Ω, 30mw output power, supports connection to headphones or amplifier |
| Network Interface | 1 RJ45 Ethernet interface, 10/100M adaptive; support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP and other network protocols |
| Extension interface | none |
| Signal interface | 1 photoresistor interface, 1 IR-CUT drive interface, supports linkage between photoresistor input signal and IR-CUT, infrared light |
| PTZ interface | none |

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|---|---|
| Motor interface | none |
| Alarm I/O | 1/0 (supports alarm input, video recording and background linkage) |
| WIFI antenna interface | none |
| Reset button interface | none |
| SD card slot | none |
| Reliability | Comprehensive lightning protection, in line with national and international standards; 7*24 hours 65℃ high temperature test is stable and reliable (including whole machine test) |
| Smart Analysis | Not supported |
| Business Functions | Supports WEB configuration, OSD, and motion detection; after motion detection alarm, the center will remind you, and the screen will pop up; support MJPEG capture; support client remote control<br>Process monitoring software, MYEYE platform and other system applications; provide a complete SDK development package |
| ONVIF | support |
| Mobile phone monitoring | Support mobile phone monitoring (iOS, Android) |
| Power supply | Power supply: DC12V/2A, power consumption: ≤3W |
| Camera size | Size: 42mm*42mm |

# 3. Download

★ Client download: For Windows computers
- ◇ VMS_Win32 download address: https://download.xm030.cn/d/MDAwMDE0OTM=
- ◇ VMS_Win64 download address: https://download.xm030.cn/d/MDAwMDE2OTA=

★ Development platform SDK download: https://oppf.xmcsrv.com/

★ Note : rtsp://192.168.1.10:554/user=admin&password=&channel=1&stream=0.sdp?
- ◇ 192.168.1.10 is the IP address of the connected device;
- ◇ 554 is the port number of the RTSP service, which can be changed in the device's network service;
- ◇ user=admin is the login user name of the device;
- ◇ password=password empty;
- ◇ channel=1 first channel;
- ◇ stream=0.sdp? Main stream, 1 is sub-stream;

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# Revision History

| Version | Revision Date | Revision Notes | Maintainer |
|---|---|---|---|
| 1.0 | 2025-7-4 | Initial release | ALL |

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