

# IPC820-FB

## 2.0MP Explosion-Proof HD 20x Network Zoom Camera



### Features

#### Excellent Image Quality

- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- 120dB Ultra WDR
- HLC / 3D noise reduction

#### Intelligent Functions

- Motion detection / Tampering / Guard line / Enter guard area / Exit guard area

#### Explosion-Proof

- Stainless steel enclosure with explosion-proof of Exd II CT6 / DIP A20 TA,T6
- Withstands operation temperatures of -30°C ~ 60°C
- IP68, TVS 6000V lightning protection, surge protection and voltage transient protection

#### Abundant Functions and Features

- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Up to 3 Multi-stream

### Specifications

| IPC820-FB                             |  |
|---------------------------------------|--|
| <b>Camera</b>                         | IPC820-FB  |
| Image Sensor                          | 1/2.8" progressive scan CMOS   |
| Pixels                                | 2.0 Megapixel  |
| Min. Illumination                     | Color: 0.003lux @ (F1.6, AGC ON)<br>B/W: 0.0003lux @ (F1.6, AGC ON)  |
| Shutter Speed                         | 1 – 1/30.000s  |
| Day / Night                           | Auto (ICR) / Color / B/W   |
| Wide Dynamic Range                    | Ultra WDR, >=120dB   |
| S/N Ratio                             | >53dB  |
| White Balance                         | Auto / Manual  |
| Gain Control                          | Auto / Manual  |
| Backlight Compensation                | Off / WDR / BLC / HLC  |
| <b>Lens</b>                           |  |
| Focal Length                          | 4.7 – 94mm, 20x optical  |
| Zoom Speed                            | Approx 3s (Optical)  |
| Angle of View                         | 61° – 3.64° (Wide–Tele)  |
| Min. Object Distance                  | 300 – 1000mm (Wide–Tele)   |
| Max. Aperture Ratio                   | F1.6 (Wide) / F3.5 (Tele)  |
| Focus Control                         | Auto / Manual / Semi-Automatic   |
| <b>Video</b>                          |  |
| Compression                           | H.265 / H.264 / MJPEG  |
| Image Resolution                      | Main stream: 1080p<br>Secondary stream: D1   |
| Frame Rate                            | Main stream: 1080p@30fps<br>Secondary stream: D1@30fps   |
| Bitrate                               | 32kbps – 16Mbps  |
| Bitrate Control                       | VBR / CBR  |
| Multi-stream                          | Supported  |
| Caption                               | Date and time / Alarm / Direction / Customized   |
| Privacy Masking                       | Up to 4 zones  |
| Motion Detection                      | Up to 4 zones  |
| Video Freeze                          | Supported  |
| ROI                                   | Supported  |
| Digital Noise Reduction               | 3D noise reduction   |
| Digital Defog                         | Supported  |
| Image Flip                            | Flip / Mirror  |
| <b>Network</b>                        |  |
| Network Protocols                     | TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) |
| User Interface                        | IPC Control (IE, Firefox, Chrome)  |
| Max. User Access                      | Max. 10 Users (Includes 2 internal)  |
| Application Programming               | ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI  |
| Automatic Network Replenishment (ANR) | Supported  |
| <b>Alarm</b>                          |  |
| Alarm Triggers                        | Network disconnect / Disk full / Disk error  |
| Intelligent                           | Motion detection / Tampering / Guard line / Enter guard area / Exit guard area   |
| Alarm Events                          | Alarm report / Recording / Text overlay / Snapshot / Email notice  |
| <b>Interfaces</b>                     |  |
| Ethernet                              | 10/100M, RJ45 interface  |
| Memory Slot                           | Built-in Micro SD card (optional), up to 128GB   |
| <b>Environmental</b>                  |  |
| Operating Temperature                 | -30°C – 60°C / -22°F – 140°F   |
| Operating Humidity                    | 10% – 90%  |
| Protection Level                      | IP68, TVS 6000V lightning protection, surge protection and voltage transient protection                                  |
| Explosion-proof mark                  | Exd II CT6 / DIP A20 TA,T6   |
| <b>Electrical</b>                     |  |
| Power                                 | -220: 220V AC ± 10%<br>-110: 110V AC ± 10%   |
| Power Consumption                     | Max. 5W  |
| <b>Mechanical</b>                     |  |
| Weight                                | 12 kg / 24.46lb (Gross Weight)   |
| Dimensions                            | 150 x 165 x 350mm / 5.91" x 6.5" x 13.78"  |
| Mounting Bracket                      | Bracket included   |

### Dimensions

Units: mm

