



## TECHNICAL SPECIFICATIONS

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensor</b>               | 1/2.8-inch-high quality HD CMOS sensor                                                                                                                                                                                                              |
| <b>Effective Pixels</b>     | 16:9 2.07 megapixel                                                                                                                                                                                                                                 |
| <b>Video Format</b>         | HDMI/Video Format :<br>1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94;7<br>20P60/50/30/25/59.94/29.97<br><br>Interface Video Format :<br>1920X1080P60/50/30/25;1280X720P60/50/30/25;<br>960X540P30;640X360P30;640X480P30;<br>352X288P30;960X540P30; |
| <b>Optical Zoom</b>         | 20X f= 5.2-98mm                                                                                                                                                                                                                                     |
| <b>View Angle</b>           | 3.2° (tele) 55.8°(wide)                                                                                                                                                                                                                             |
| <b>AV</b>                   | F1.5 - F3.0                                                                                                                                                                                                                                         |
| <b>Digital Zoom</b>         | 10X                                                                                                                                                                                                                                                 |
| <b>Minimum Illumination</b> | 0.5Lux (F1.8, AGC ON)                                                                                                                                                                                                                               |
| <b>DNR</b>                  | 2D & 3D DNR                                                                                                                                                                                                                                         |
| <b>White Balance</b>        | Auto / Manual/ One Push/ 3000K/<br>4000K/5000K/6500K                                                                                                                                                                                                |
| <b>Focus</b>                | Auto/ Manual                                                                                                                                                                                                                                        |
| <b>Aperture</b>             | Auto / Manual                                                                                                                                                                                                                                       |
| <b>Electronic Shutter</b>   | Auto / Manual                                                                                                                                                                                                                                       |
| <b>BLC</b>                  | ON/OFF                                                                                                                                                                                                                                              |
| <b>WDR</b>                  | OFF/ Dynamic Level Adjustment                                                                                                                                                                                                                       |
| <b>Video Adjustment</b>     | Brightness, Color, Saturation, Contrast, Sharpness,<br>B/W mode, Gamma curve                                                                                                                                                                        |
| <b>SNR</b>                  | >55dB                                                                                                                                                                                                                                               |



## INPUT/OUTPUT INTERFACE

|                          |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Video Interfaces         | USB2.0, USB3.0, HDMI, LAN, RS232 (input)                                           |
| Image Code Stream        | Double streams output simultaneously                                               |
| Video Compression Format | H.264, H.265                                                                       |
| Control Signal Interface | RS-232 Ring through RS232 output, RS-485                                           |
| Control Protocol         | VISCA/Pelco-D/Pelco-P;<br>Baud Rate: 115200/9600/4800/2400bps                      |
| HD IP Interface          | 100M IP port(100BASE-TX); 5G WiFi (optional), support IP<br>Visca control protocol |
| Network Protocol         | RTSP/RTMP, ONVIF                                                                   |
| Power Interface          | HEC3800 outlet (DC12V)                                                             |

## PTZ PARAMETER

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Pan Rotation       | ±170°                                             |
| Tilt Rotation      | -30~+90°                                          |
| Pan Control Speed  | 0.1 - 180°/sec                                    |
| Tilt Control Speed | 0.1 - 80°/sec                                     |
| Preset Speed       | Pan: 60°/sec, Tilt: 30°/sec                       |
| Preset Number      | 255 presets (10 presets by the remote controller) |

## OTHER PARAMETER

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Supply Adapter        | AC110V-AC220V to DC12V/2A                                                                           |
| Input Voltage         | DC12V±10 %                                                                                          |
| Input Current         | 1A(Max)                                                                                             |
| Consumption           | 12W (Max)                                                                                           |
| Store Temperature     | -10°C to +60°C                                                                                      |
| Store Humidity        | 20% - 95%                                                                                           |
| Working Temperature   | -10°C to +50°C                                                                                      |
| Working Humidity      | 20%-80%                                                                                             |
| Dimension             | 150mmX150mmX167.5mm                                                                                 |
| Weight                | 1.4KG                                                                                               |
| Working Environment   | Indoor                                                                                              |
| Remote Operation (IP) | Remote Upgrade, Reboot, and Reset                                                                   |
| Accessories           | Power Supply, RS232 Control Cable, USB3.0 Cable, USB2.0<br>Cable, Remoter, Manual,<br>Warranty card |
|                       | Wall or Ceiling Bracket                                                                             |