



## TECHNICAL SPECIFICATIONS

## SPECIFICATION

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor               | 1/2.1/2.9-inch-high quality CMOS sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Effective Pixels     | 2.07 megapixel, 16:9                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Video Format         | <b>H264/H265/MJPG</b> : 1920x1080P@30/25/20/15/10/5fps<br>; 1280*720P@30/25/20/15/10/5fps ;<br>960*540@30/25/20/15/10/5fps<br>; 800*600@30/25/20/15/10/5fps ;<br>720*576@30/25/20/15/10/5fps<br>; 720*480@30/25/20/15/10/5fps ;<br>640*480@30/25/20/15/10/5fps<br>; 640*360@30/25/20/15/10/5fps<br>; 352*288@30/25/20/15/10/5fps ;<br>320*240@30/25/20/15/10/5fps ;<br><br><b>YUY2</b> :<br>1280*720@10/5fps ; 800*600@10/5fps<br>; 640*480@30/25/20/15/10/5fps<br>; 640*360@30/25/20/15/10/5fps ; |
| View Angle           | 8.8° (Tele) ~ 66° (Wide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Focus Length         | f=4.34mm ~ 41.66mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AV                   | F1.85 ~ 2.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Optical Zoom         | 10X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Minimum Illumination | 0.5Lux (F1.8, AGC ON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DNR                  | 2D & 3D DNR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| White Balance        | Auto / Manual/ One Push/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focus                | Auto / Manual/ One Push Focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Exposure             | Auto / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BLC                  | On/Off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Video Adjustment     | Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SNR                  | >50dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



## INPUT/OUTPUT INTERFACE

|                          |                               |
|--------------------------|-------------------------------|
| Video Output             | USB2.0 Interface              |
| Video Compression Format | MJPEG, H.264, H.265           |
| Control Interface        | RS232 (IN/OUT), RS485         |
| Control Protocol         | VISCA/Pelco-D/Pelco-P         |
| Power Interface          | HEC3800 outlet (DC12V) or USB |

## USB FEATURE

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| Operation Systems          | Windows 7, Windows8, Windows10, Mac osx, Linux, etc. |
| Video Compression Format   | MJPEG/H264/H265                                      |
| USB Communication Protocol | UVC                                                  |

## PTZ PARAMETER

|                    |                                             |
|--------------------|---------------------------------------------|
| Pan Rotation       | -170°~+170°                                 |
| Tilt Rotation      | -30°~+30°                                   |
| Pan Control Speed  | 0.1 ~60°/sec                                |
| Tilt Control Speed | 0.1~40°/sec                                 |
| Preset Speed       | Pan: 60°/sec, Tilt: 40°/sec                 |
| Preset Number      | 255 presets (10 presets via remote control) |

## OTHER PARAMETER

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| Input Voltage       | 12V                                                                                            |
| Input Current       | Maximum: 4.98A                                                                                 |
| Power Consumption   | Maximum: 2.5W                                                                                  |
| Stored Temperature  | -40°C~+70°C                                                                                    |
| Storage Humidity    | 20%~90%                                                                                        |
| Working Temperature | -10°C~+50°C                                                                                    |
| Working Humidity    | 20%~80%                                                                                        |
| Dimension (W*H*D)   | 156.8mmx112.6mmx139.5mm                                                                        |
| Weight              | 1KG                                                                                            |
| Application         | Indoor                                                                                         |
| Package             | Power Supply, RS232 Control Cable, IR Remote Control, User Manual, Warranty Card, USB2.0 Cable |
|                     | Ceiling / Wall Mount                                                                           |