



## TECHNICAL SPECIFICATIONS

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor                  | 1/2.8 inch High Quality 4K CMOS Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Effective Pixels        | 8.28MP 16:9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video Output Interfaces | 1 Channel USB 3.0 output, Type B,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Audio Input             | 2 built-in MIC pickups                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Video Format            | <b>MJPEG</b> : 3840*2160@30 /2560*1440@30 /1920*1080@30 /1600*896@30 /1280*720@30 /1024*576@30 /960*540@30 /800*600@30 /800*448@30 /720*576@30 /720*480@30 /640*480@30 /640*360@30 /480*270@30 /352*288@30 /320*240@30<br><br><b>H264</b> : 3840*2160@30 /2560*1440@30 /1920*1080@30 /1600*896@30 /1280*720@30 /1024*576@30 /960*540@30 /800*600@30 /800*448@30 /720*576@30 /720*480@30 /640*480@30 /640*360@30 /480*270@30 /352*288@30 /320*240@30<br><br><b>YUY2</b> : 1920*1080@30 /1280*720@30 /1024*576@30 /800*600@30 /800*448@30 /640*480@30 /640*360@30 /480*270@30 /320*180@30<br><br><b>NV12</b> : 1920*1080@30 /1280*720@30 /1024*576@30 /800*600@30 /800*448@30 /640*480@30 /640*360@30 /480*270@30 /320*180@30 |
| View Angle              | 102°(D)/100°(H)/64°(V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focus                   | f=2.26mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Aperture                | F 1.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Digital Zoom            | 10X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Minimum Illumination    | 0.1 Lux (F1.8, AGC ON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focus                   | Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| White Balance           | Auto / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Exposure                | Auto / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Backlight Contrast      | On/Off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SNR                     | ≥50dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## USB FEATURE

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Operation Systems          | Windows 7(1080P or lower), Windows 8.1, Windows 10 ; macOS™ 10.10 or higher; Linux (UVC support); Android |
| Video Compression Format   | YUY2, NV12, MJPG, H.264                                                                                   |
| USB Audio                  | Support                                                                                                   |
| USB Communication Protocol | UVC, UAC                                                                                                  |
| PTZ Control                | Support EPTZ                                                                                              |
| Hardware Requirement       | 2.4 GHz Intel® Core 2 Duo processor or higher, 2GB memory or higher, USB 3.0 port( USB 3.0 for 4K)        |

## OTHER PARAMETERS

|                     |                                               |         |
|---------------------|-----------------------------------------------|---------|
| Input               | Voltage                                       | 5V      |
| Voltage/Current     | Current                                       | 1A(max) |
| Power Consumption   | 5W(max)                                       |         |
| Stored Temperature  | -10 ~ +60                                     |         |
| Stored Humidity     | 20%~90%                                       |         |
| Working Temperature | -10 ~ +50                                     |         |
| Working Humidity    | 20%~80%                                       |         |
| Dimension(W*H*D)    | 180mmx42.5mmx46.3mm                           |         |
| Weight              | Around 0.3kg                                  |         |
| Application         | Indoor                                        |         |
| Accessory           | USB 3.0 cable, Remote Controller, User Manual |         |