

## VIS-CDC-4K series UHD Camera



### Feature

#### ●4K Ultra HD

It adopts a new generation of SONY high-quality CMOS sensor with a maximum of 8.51 million pixels, which can achieve 4K (3840x2160) ultra-high-resolution high-quality images. And backward compatible with multiple resolutions such as 1080P and 720P.

#### ●71° wide-angle lens + 12x optical zoom

Exclusively customized high-quality real 8 million ultra-high-resolution 4K ultra-wide-angle lens, 12x optical zoom, horizontal field of view up to 71°.

#### ●HDMI2.0

Support HDMI 2.0 specification, can directly output 4K uncompressed digital video.

#### ●Low power consumption sleep function

Support low-power sleep/wake-up, the power consumption is less than 400mW in sleep state.

#### ●Local storage

Support local storage function, can realize direct local recording on U disk without NVR.

#### ●Low illumination

The new CMOS image sensor with ultra-high performance-to-noise ratio can effectively reduce image noise under low illumination conditions. At the same time, 2D and 3D noise reduction algorithms are applied to greatly reduce image noise. Even under ultra-low illumination conditions, the image remains clean and clear, The image signal-to-noise ratio is up to 55dB or more.

#### ●Rich and perfect interface

Support HDMI2.0 high-definition output, and equipped with 3G-SDI interface, the effective transmission distance is up to 150 meters (1080p30). HDMI, 3G-SDI, USB3.0, LAN four channels can simultaneously output 4 channels of high-definition digital signals.

#### ●Remote control

A variety of control methods, RS232, RS485, network and USB can be used to control the camera.

#### ●Built-in gravity sensor

Support image automatic flip function, convenient for engineering installation and use.

#### ●Smart Exposure

Effectively solve the impact of projectors, televisions and other equipment on shooting people.

## Item Model for Order

VIS-CDC-4K-C .....12x optical zoom, USB3.0, HDMI, 3G-SDI, LAN, Ceiling Mount Bracket

VIS-CDC-4K-W .....12x optical zoom, USB3.0, HDMI, 3G-SDI, LAN, Wall Mount Bracket

## Specification

| <b>VIS-CDC-4K-C/VIS-CDC-4K-U</b> |   |
|----------------------------------|---|
| Video System                     | 4K@60fps, 4K@50fps,4K@30fps, 4K@25fps,4K@59.94fps,4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps,1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps |
| Sensor                           | 1/2.5", CMOS, Effective Pixel: 851M   |
| Scanning Mode                    | Progressive   |
| Lens                             | 12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6  |
| Digital Zoom                     | 16x   |
| Minimal Illumination             | 0.5 Lux @ (F1.8, AGC ON)  |
| Shutter                          | 1/30s ~ 1/10000s  |
| White Balance                    | Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature  |
| Backlight Compensation           | Support   |
| Digital Noise Reduction          | 2D&3D Digital Noise Reduction   |
| Video S/N                        | ≥55dB   |
| Horizontal Angle of View         | 71° ~ 8.2°  |
| Vertical Angle of View           | 42.7° ~ 4.5°  |
| Horizontal Rotation Range        | ±170°   |
| Vertical Rotation Range          | -30° ~ +90°   |
| Pan Speed Range                  | 1.7° ~ 100°/s   |
| Tilt Speed Range                 | 1.7° ~ 69.9°/s  |
| H & V Flip                       | Support   |
| Image Freeze                     | Support   |
| POE                              | Support (optional)  |
| Face Detection                   | Support (optional)  |
| Number of Preset                 | 255   |
| Preset Accuracy                  | 0.1°  |
| <b>USB Featured</b>              |   |

|                                  |   |
|----------------------------------|---|
| Operate System                   | Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux  |
| Color System                     | YUV 4:2:2   |
| Video Format                     | YUY2 : UP to 1080P@30fps<br>H.264 AVC:UP to 2160P@60fps<br>H.264 SVC: UP to 2160P@60fps<br>MJPEG: UP to 2160P@60fps |
| USB Video Communication Protocol | UVC 1.1~1.5   |
| UVC PTZ                          | Support   |
| <b>IPC Features</b>              |   |
| Video Compression                | H.265 / H.264 / MJPEG   |
| Video Stream                     | Main Stream, Sub Stream   |
| Main Stream Resolution           | 3840x2160, 1920x1080, 1280x720, 1024x576, etc.  |
| Sub Stream Resolution            | 1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.  |
| Video Bit Rate                   | 32Kbps ~ 102400Kbps   |
| Bit Rate Type                    | Variable Rate, Fixed Rate   |
| Frame Rate                       | 50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps  |
| Audio Compression                | AAC, G711   |
| Audio Bit Rate                   | 48Kbps, 64Kbps, 96Kbps, 128Kbps   |
| Support protocols                | TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.  |
| <b>Input/Output Interface</b>    |   |
| HD Output                        | 1xHDMI: Version 2.0   |
| SD Output                        | 1x3G-SDI: BNC type, 800mVp-p, 75 $\Omega$ , Along to SMPTE 424M standard  |
| Network Interface                | 1xRJ45: 10M/100M Ethernet Interface   |
| Audio Interface                  | 1-ch: 3.5mm Audio Interface, Line In/Mic In   |
| USB                              | 1xUSB3.0: Up to 4K@60fps compressed video and 1080P original video can be output                                    |
| Communication Interface          | 1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P  |
|                                  | 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only                                      |
|                                  | 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P                                    |
| Power Jack                       | JEITA type (DC IN 12V)  |
| <b>Generic Specification</b>     |   |
| Input Voltage                    | DC 12V  |
| Current Consumption              | 1.0A (Max)  |

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -10°C ~ 40°C (14°F ~ 104°F)  |
| Storage Temperature   | -40°C ~ 60°C (-40°F ~ 140°F) |
| MBTF                  | ≥30000 hours                 |
| Power Consumption     | 12W (Max)                    |
| Size                  | 169mm x 142mm x 164mm        |
| Net Weight            | 1.35Kg (3.0lb)               |