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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.

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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

VIS-CDC-4K-C/VIS-CDC-4K-U	
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°
USB Featured	

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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 H.264 AVC:UP to 2160P@60fps H.264 SVC: UP to 2160P@60fps MJPEG: UP to 2160P@60fps
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support
IPC Features	
Video Compression	H.265 / H.264 / MJEPG
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.
Input/Output Interface	
HD Output	1xHDMI: Version 2.0
SD Output	1x3G-SDI: BNC type, 800mVp-p, 75Ω, 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)
Generic Specification	
Input Voltage	DC 12V
Current Consumption	1.0A (Max)

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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)