VISSONIC

Meeting Camera Solutions

PRODUCT DATASHEET

VISSONIC ELECTRONICS LTD.

Think Solutions

www.vissonic.com

New generation PTZ camera, the image output performance is significantly improved, and the imaging effect is also better. Widely used in recording, remote teaching, video conferencing, live broadcast, broadcasting and other industries.

Feature

● H.265 support

H.265 encoding supports conference cameras and can realize full HD 1080p / 60fps video streaming through ultra-low bandwidth.

●1080P Full HD and NDI®|HX (optional)

Using a new generation of Panasonic's 1 / 2.8 inch high-quality high-definition CMOS sensor with 2.07 million effective pixels, it can achieve high-quality images with a maximum resolution of 1920x1080

● Ultra high frame rate

The output frame rate of 1080P is up to 60fps, the output frame rate of 720P is up to 120fps (only supported by the network), and 640x480P can be up to 240fps (only supported by the network, optional).

● AAC audio coding

supports AAC audio coding, with better sound quality and smaller bandwidth. EQ auto adjustment to reduce noise and support mic input.

● USB3.0 and various ports

USB3.0 ports makes it can work with popular video conference software like teams, zoom. All type of video output port including HDMI, 3G-SDI. effective transmission distance up to 150 meters (1080p30 or less). HDMI, SDI, and network can be output simultaneously.
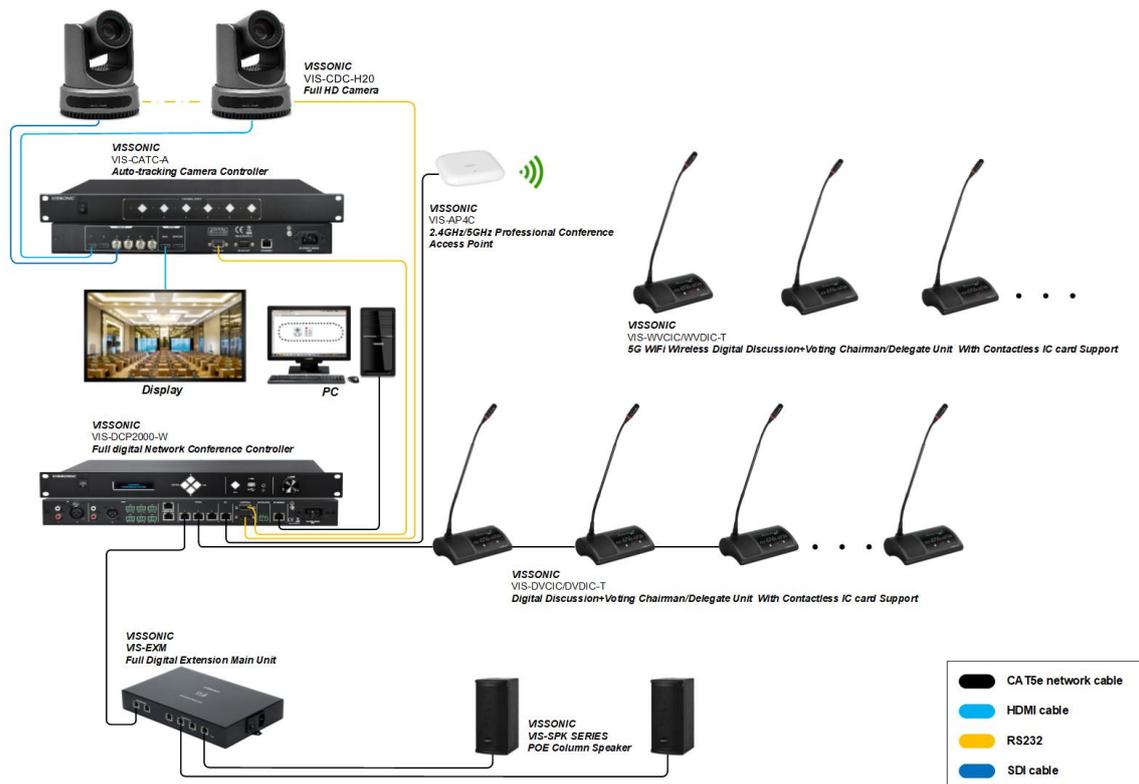
● The low light and high SNR of the CMOS sensor combined with 2D and 3D noise reduction algorithms effectively reduces the noise. Even under low illumination conditions, the picture can still be kept clear and clear.

● 20x Optical + 32x Digital Zoom Use TAMRON high quality super telephoto lens, support 20x optical zoom, and 32x digital, 30x Optical + 16x Digital Zoom(Model VIS-CDC-H30)

● Remote Control

Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications. LAN port with VISCA over IP control feature.

System Diagram

Item Model for Order

VIS-CDC-H20 20x optical zoom, USB3.0, HDMI, SDI, can choose Ceiling/Wall Mount bracket

VIS-CDC-H20N 20x optical zoom, USB3.0, HDMI, SDI, support NDI, can choose Ceiling/Wall Mount bracket

VIS-CDC-H30 30x optical zoom, USB3.0, HDMI, SDI, can choose Ceiling Mount or wall mount bracket

VIS-CDC-H30N 30x optical zoom, USB3.0, HDMI, SDI, support NDI, can choose Ceiling/Wall Mount bracket

Specification

VIS-CDC-H20/ VIS-CDC-H30	
Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/120 (supported by network only), 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240 (supported by network only, optional)SD: 480i, 576i
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8，or 30x, f4.3mm ~ 129.0mm, F1.8 ~ F2.8(Model VIS-CDC-H30)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°
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
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°
USB Featured	
Operate System	Windows 10 or higher, Windows 7, Windows 8, Mac OS X, Linux
Color System	YUV 4:2:2/MJPEG/H.264
Video Format	USB3.0 : 1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 USB2.0 : USB2.0:960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50
USB Video Communication Protocol	UVC 1.0
UVC PTZ	Support
IPC Features	
Video Compression	H.265/H.264/MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps

Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps, 720p120: 120fps, 640x480p240: 240fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	NDI, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/Output Interface	
HD Output	1xHDMI: Version 1.3 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
SD Output	1xCVBS: 3.5mm mini jack, 1Vp-p, 75Ω
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
USB	1xUSB3.0: Type A female jack
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)
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)

www.vissonic.com