

**Professional Audio Video Manufacturer** 

# **Meeting Camera Solutions**

**PRODUCT DATASHEET** 



## VISSONIC ELECTRONICS LTD.

**Think Solutions** 

## VIS-CDC-H20/30

FHD PTZ Camera



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.

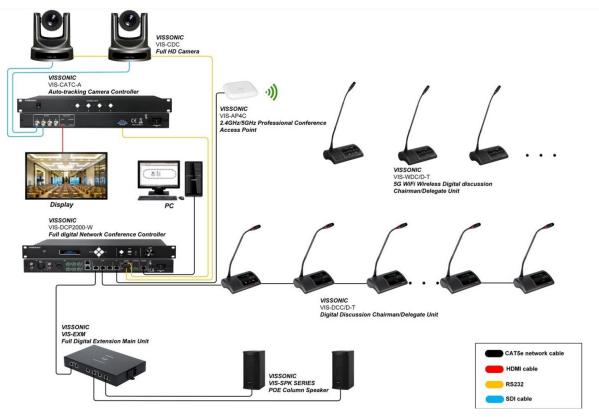
• The low light and high SNR of the CMOS sensor combined with 2D and 3D noise reduction algorithms effectively reduces the noise. Even under low illumination conditions, the picture can still be kept clear and clear.

• 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 Mount or wall mount bracket VIS-CDC-H30 30x optical zoom, USB3.0, HDMI, SDI, can choose Ceiling Mount or 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 Angla			
Horizontal Angle of View	60.7° ~ 3.36°		
Vertical Angle of	34.1° ~ 1.89°		
View			
Horizontal	$\pm 170^{\circ}$		
Rotation Range			
Vertical Rotation	$-30^{\circ} \sim +90^{\circ}$		
Range			
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		
video Format	USB2.0 : USB2.0:960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50		
USB Video			
Communication	UVC 1.0		
Protocol			
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		
	1750 SD1. Dive type, boom $p$ -p, $752$ , riong to Swit 112 +2+wi 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	1.0A (Max)	
Consumption	1.0A (Max)	
Operating	$-10^{\circ}\text{C} \sim 40^{\circ}\text{C} (14^{\circ}\text{F} \sim 104^{\circ}\text{F})$	
Temperature		
Storage	-40°C ~ 60°C (-40°F ~ 140°F)	
Temperature		
MBTF	≥30000 hours	
Power	12W (Max)	
Consumption		
Size	169mm x 142mm x 164mm	
Net Weight	1.35Kg (3.0lb)	



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