

HD Video Conference Camera

VHD-V60UL



Main Features

- **20x Optical + 32x Digital Zoom**
Use TAMRON high quality super telephoto lens, support 20x optical zoom, and 32x digitalzoom (optional)
- **USB3.0**
Support USB3.0 ultra-high speed interface, can transfer uncompressed original video, and downward compatible with USB2.0. USB3.0, HDMI, Network can output at the same time. It also support CVBS interface
- **H.265 Support**
Enabling full HD 1080p video stream by ultra-low bandwidth
- **1080p Full HD**
Apply **Panasonic's 1/2.7 inch**, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image
- **AAC Audio Encoding**
Support AAC audio encoding, better sound quality and smaller bandwidth
- **Ultra-high Frame Rate**
The output frame rate up to 60fps in 1080p
- **Local Storage**
Support local storage module, directly recording to local USB flash disk without NVR
- **Low-light**
High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear
- **Remote Control**
Using R232 and RS485 interface, all the parameters of the camera can be controlled remotely

Camera

Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25, SD: 480i, 576i
Sensor	PANASONIC 1/2.7", CMOS, Effective pixel: 2.07m
Scanning Mode	Progressive
Lens Mount	20x, f4,42mm ~ 88.5mm, f1.8 ~ f2.8
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (f1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	auto, 3000K/indoor, 5000K/outdoor, VAR 2500 - 8000 K, one push, manual
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	Yes
Image freeze	Yes
Local storage	Yes
Number of preset	255
Preset accuracy	0.1°

IPC Features

Video Compression	H.265/H.264/MJPEG
Video Stream	main stream, sub stream
Main stream resolution	1920X1080, 1280X720, 1024X576, 960x540, 640x480, 640x360
Sub stream resolution	720X576, 720X480, 320X240, 1280x720, 1024x576, 640x360, 480x270, 320x180
Video bit rate	32Kbps ~ 20480Kbps
Bit rate type	variable rate, fixed rate
Frame rate	50Hz: 1fps ~ 50fps 60Hz: 1fps ~ 60fps
Audio compression	AAC
Audio bit rate	96kbps, 128kbps, 256kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, MULTICAST, etc.

Input/Output Interface

HD output	1XHDMI: VERSION 1.3
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 B FEMALE JACK 1XUSB2.0: TYPE A FEMALE JACK
Communication interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, VISCA/Pelco-D/Pelco-P Protocol 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, VISCA network Protocol 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, VISCA/Pelco-D/Pelco-P Protocol
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)
Power Consumption	12W (Max)
Size	169mm x 142mm x 164mm
Net Weight	1.35kg (3.0LB)

