

IT-VCHD710KIT



Main Features

● Completely New Look

Designed with worm gear transmission, completely new look, mini size.

● Full Function USB Interface

High speed USB interface, support compressed video output, support UVC protocol.

● Full-duplex Speakerphone

Maximum 48 K Hz sampling rate audio input and output. Conversations sound realistic and natural by minimizing sound reflections (reverb) and distracting with the advanced acoustic engineering reduces echo. audio artifacts.

● 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.

● Ultra-high Frame Rate

The output frame rate up to 60fps in 1080P.

● 72.5° Wide-angle Lens + 16x Digital Zoom

Use 72.5° wide-angle high quality lens, support 12x optical zoom, and 16x digital zoom.

● 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 RS232/USB interface, all the parameters of the camera can be remote controlled by the high-speed communications.

Camera

Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
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
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-25° ~ +25°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°



General 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)
MTBF	>30000h
Size	128.5mm x 118mm x 156.2mm
Net Weight	0.91K g

Input/Output Interface

USB Interface	2xUSB2.0: Type B 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: Share with RS232 Out, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P (optional)
Power Jack	JEITA type (DC IN 12V)

Full-duplex Speakerphone

Speaker&Bandwidth	Dual Stereo,60Hz - 22KHz
Max Output Level	80 dB SPL@1 foot
Microphone Frequency Range	60Hz - 7KHz
USB Interface	Mirco Type B female jack

USB Features

Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG
Video Format	1080p/30, 1080p/25, 1080p/15, 1080p/10, 720p/30, 720p/25, 960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50
Audio on USB	Support 8K Hz,16K Hz,32K Hz,44.1K Hz , 48K Hz sampling rate audio input and output, Support AEC
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support

Generic Specification

Input Voltage	DC 5V
Current Consumption	0.5A (Max)
Operating Temperature	-10°C ~ 40°C(14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C(-40°F ~ 140°F)
Power Consumption	2.5W (Max)
Size	200mm x 60mm x 50mm
Net Weight	165g