



IMC 980U

Video Conference Camera



Model: IMC 980U-FHD IMC 980U-4K



When You Need Superior Video Quality

Designed for the professional

Imago IMC 980U camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, up to 4K ultra high resolution, and fantastic color rendition. It supports H.264/H.265+ encoding which makes motion video fluent and clear even under less than ideal bandwidth conditions.

Key Features



Superb 4K Ultra High definition Image

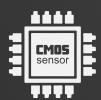
Imago IMC-980U employs 1/1.8 inch high quality CMOS sensor. The main resolution is up to 3840x2160 with frame rate up to 60fps.

*Only applicable for IMC 980U-4K



Support HDMI 2.0

Imago IMC 980U Supports HDMI 2.0 specifications, and can directly output 4K uncompressed digital video. HDMI, 3G-SDI, LAN can output 4HD digital signals at the same time.



CMOS Sensor

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.





Come with 20x Optical Zoom Lens

IMC 980U-4K comes with 20X optical zoom lens. The lens adopts 60° wide angle without distortion.



Low Power Cosumption

Support low-power sleep / wake, power consumption is less than 400mW in sleep state.



Multiple Audio/Video Compression

 $\label{eq:multiple} \textit{Multiple control methods}, \, RS232, \, RS485 \, \, \text{and network can be used to control the camera}.$

IMAGO IMC 980U Technical Specification

IMC 980U-4K

IMC 980U-FHD

Video System HOME	Camera		
Scaming Mode	Video System	4K/29.97,1080p/60, 1080P/50, 1080P59.94,1080P/30,1080P/29.97;1080I /60, 1080I/50, 1080I/59.94,720P/60,720P/59.94 3G-SDI: 1080P/60,1080P/50,1080P/30,1080P/29. 97,1080P/59.94,1080P/25,1080I/60,1080I	1080P59.94,1080P/30, 1080P/29.97;1080I/60,1080I/50,1080I/59.
Lens	Sensor	1/1.8", CMOS, Max Effective Pixel: 842M	1/1.8", CMOS, Max Effective Pixel: 842M
Digital Zoom	Scanning Mode	Progressive	Progressive
Minimal Mini	Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95	20x, f = 4.42mm ~ 88.5mm, F1.58 ~ F2.8
Shutter	Digital Zoom	16x	16x
White Balance Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature Backlight Compensation Support Support Digital Notice Reduction 2D83D Digital Notice Reduction 2D83D Digital Notice Reduction Video SIN 255dB 255dB Horizontal Angle of View 60° ~ 3.5° 60° ~ 3.5° Vertical Angle of View 35.7° ~ 2.0° 35.7° ~ 2.0° Vertical Angle of View 1.7° ~ 100°/s 1.7° ~ 100°/s Till Speed Range 1.7° ~ 100°/s 1.7° ~ 69.9°/s H & V Flip Support Support Image Freeze Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 285 Frest Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3al) DC 12V/PoE (802.3al) Input Voltage DC 12V/PoE (802.3al) DC 12V/PoE (802.3al) Current Consumption 1.04 (Max) 1.04 (Max) Storage Temperature 40° C – 60° C		0.5Lux P (F1.8, AGC ON)	0.5Lux P (F1.8, AGC ON)
Backlight Support Support Support	Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s
Compensation Support Support Digital Noise Reduction 2D83D Digital Noise Reduction Video S/N £55dB £55dB Horizontal Angle of View 60° ~ 3.5° 60° ~ 3.5° Vertical Angle of View 35.7° ~ 2.0° 35.7° ~ 2.0° Vertical Angle of View 1.7° ~ 100°/s 1.7° ~ 100°/s Pan Speed Range 1.7° ~ 60.9°/s 1.7° ~ 69.9°/s H & V Flip Support Support Inage Freeze Support Support PoE Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PcE (802.3af) DC 12V/PcE (802.3af) Input Voltage T.0A (Max) 1.0A (Max) Operating Temperature -10°C – 40°C -10°C – 40°C Storage Temperature -40°C – 60°C 40°C – 60°C Power Consumption 12W (Max) 12W (Max)	White Balance		
Reduction 2555dB ≥55dB Video SIN ≥55dB ≥55dB Horizontal Angle of View 60° ~ 3.5° 60° ~ 3.5° Vertical Angle of View 35.7° ~ 2.0° 35.7° ~ 2.0° Vertical Angle of View 35.7° ~ 2.0° 35.7° ~ 2.0° View 35.7° ~ 2.0° 35.7° ~ 2.0° Pan Speed Range 1.7° ~ 68.9% 1.7° ~ 69.9% It it Speed Range 1.7° ~ 68.9% 1.7° ~ 69.9% H & V Flip Support Support Image Freeze Support Support PeE Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Storage Temperature 40°C ~ 60°C 40°C ~ 60°C Power Consumption 12W		Support	Support
Horizontal Angle of View 80° ~ 3.5° 80° ~ 3.5°		2D&3D Digital Noise Reduction	2D&3D Digital Noise Reduction
of Yew 50 93.5 Vertical Angle of Yiew 35.7" - 2.0" 35.7" - 2.0" Pan Speed Range 1.7" ~ 69.9"/s 1.7" ~ 69.9"/s Till Speed Range 1.7" ~ 69.9"/s 1.7" ~ 69.9"/s H & Y Flip Support Support Image Freeze Support Support PoE Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1" 0.1" Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature 40"C ~ 40"C 40"C ~ 60"C Power Temperature 40"C ~ 60"C 40"C ~ 60"C Power Consumption 12W (Max) 169mm x 142mm x 164mm	Video S/N	≥55dB	≥55dB
of View 53.7 ± 2.0 Pan Speed Range 1.7* ~ 100°/s 1.7* ~ 100°/s Tilt Speed Range 1.7* ~ 69.9°/s 1.7* ~ 69.9°/s H & V Flip Support Support Image Freeze Support Support PoE Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm		60° ~ 3.5°	60° ~ 3.5°
Till Speed Range 1.7° ~ 69.9°/s 1.7° ~ 69.9°/s H & V Flip Support Support Image Freeze Support Support PoE Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm		35.7° ~ 2.0°	35.7° ~ 2.0°
H & V Flip Support Support Image Freeze Support Support PoE Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature 40°C ~ 60°C 40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Pan Speed Range	1.7° ~ 100°/s	1.7° ~ 100°/s
Image Freeze Support Support PoE Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Tilt Speed Range	1.7° ~ 69.9°/s	1.7° ~ 69.9°/s
PoE Support Support Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	H & V Flip	Support	Support
Face Detection Support (Optional) Support (Optional) Number of Preset 255 255 Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Image Freeze	Support	Support
Number of Preset 255 Preset Accuracy 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) Operating Temperature -10°C ~ 40°C Storage Temperature -40°C ~ 60°C Power Consumption 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm 169mm x 142mm x 164mm	РоЕ	Support	Support
Preset Accuracy 0.1° 0.1° Generic Specification Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Face Detection	Support (Optional)	Support (Optional)
Input Voltage	Number of Preset	255	255
Input Voltage DC 12V/PoE (802.3af) DC 12V/PoE (802.3af) Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Preset Accuracy	0.1°	0.1°
Current Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Generic Specification		
Consumption 1.0A (Max) 1.0A (Max) Operating Temperature -10°C ~ 40°C -10°C ~ 40°C Storage Temperature -40°C ~ 60°C -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm	Input Voltage	DC 12V/PoE (802.3af)	DC 12V/PoE (802.3af)
Temperature -10 C = 40 C Storage Temperature -40 ° C ~ 60 ° C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm		1.0A (Max)	1.0A (Max)
Temperature -40°C ~ 60°C Power Consumption 12W (Max) 12W (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm		-10°C ~ 40°C	-10°C ~ 40°C
Consumption 124V (Max) Size 169mm x 142mm x 164mm 169mm x 142mm x 164mm		-40°C ~ 60°C	-40°C ~ 60°C
		12W (Max)	12W (Max)
Net Weight 1.35Kg (3.0lb) 1.35Kg (3.0lb)	Size	169mm x 142mm x 164mm	169mm x 142mm x 164mm
	Net Weight	1.35Kg (3.0lb)	1.35Kg (3.0lb)



IMC 980U-4K IMC 980U-FHD

Network Features		
Video Compression	H.265 / H.264 / MJEPG	H.265 / H.264 / MJEPG
Video Stream	Main Stream, Sub Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.	1920x1080, 1280x720, 1024x576, etc.
Sub Stream Resolution	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.
Video Bit Rate	32kbps~51200kbps	32kbps~51200kbps
Bit Rate Type	Variable Rate, Fixed Rate	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711	AAC, G711
Audio Bit Rate	96Kbps, 128Kbps,256kbps	96Kbps, 128Kbps,256kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP,SRT,GB/T28181. Multicast, etc.	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP,SRT,GB/T28181. Multicast, etc.
Input/Output Interface		
HD Output	1xHDMl: Version 2.0 1x3G-SDl: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard	1xHDMI: Version 2.0 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45: 10M/100M/1000M Ethernet Interface,Support PoE power supply	1xRJ45: 10M/100M/1000M Ethernet Interface,Support PoE power supply
Audio Interface	1-ch: 3.5mm Audio Interface, Line In/Mic In	1-ch: 3.5mm Audio Interface, Line In/Mic In
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out : 8pin Min DIN, Max Distance: 30m,	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out : 8pin Min DIN, Max Distance: 30m,
menace	Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P	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)	JEITA type (DC IN 12V)



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