

imago®

# IMC 980U

Video Conference Camera



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

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# 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

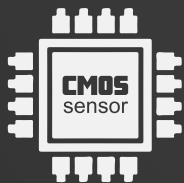
Imago IMC-980U employs 1/1.8 inch high quality CMOS sensor. The main resolution is up to 3840x2160 with frame rate up to 60fps.

\*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, USB3.0, 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.

20x



### 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 Consumption

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



### Multiple Audio/Video Compression

Multiple control methods, RS232, RS485, network and USB can be used to control the camera.

# IMAGO IMC 980U Technical Specification

## IMC 980U-4K

## IMC 980U-FHD

Camera		
Video System	HDMI: 4K/60, 4K/50, 4K/30, 4K/25, 4K/59.94, 4K/29.97, 1080p/60, 1080P/50, 1080P/59.94, 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/50, 1080I/59.94, 720P/60, 720P/59.94	HDMI: 1080p/60, 1080P/50, 1080P/59.94, 1080P/30, 1080P/29.97; 1080I/60, 1080I/50, 1080I/59.94, 720P/60, 720P/59.94
Sensor	1/1.8", CMOS, Max Effective Pixel: 842M	1/1.8", CMOS, Max Effective Pixel: 842M
Scanning Mode	Progressive	Progressive
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95	20x, f = 4.42mm ~ 88.5mm, F1.58 ~ F2.8
Digital Zoom	16x	16x
Minimal Illumination	0.5Lux P (F1.8, AGC ON)	0.5Lux P (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s
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 Noise Reduction	2D&3D Digital Noise Reduction	2D&3D 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°
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	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
Net Weight	1.35Kg (3.0lb)	1.35Kg (3.0lb)
USB Featured		
Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUV / H.264 / MJPEG / H.265	YUV / H.264 / MJPEG / H.265
Video Format	YUY2 :max 1080P60 H.264 AVC: max 2160P60 H.264 SVC: max 2160P60M JPEG: max 2160P60 H.265: max 2160P60	YUY2 :max 1080P60 H.264 AVC: max 2160P60 H.264 SVC: max 2160P60M JPEG: max 2160P60 H.265: max 2160P60
Audio on USB	Support	Support
USB Video Communication Protocol	UVC 1.1~1.5	UVC 1.1~1.5
UVC PTZ	Support	Support

## IMC 980U-4K

## IMC 980U-FHD

Network Features		
Video Compression	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG
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	1xHDMI: Version 2.0 1x3G-SDI: 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, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P	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)	JEITA type (DC IN 12V)

**IMAGO**<sup>®</sup>

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