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IMC-LT100-4K-20X-Ai

Tracking with AI Self-learning



For more information, visit us at www.imago.us



One For All

Capture close-up and panoramic views of your session with IMAGO All-In-One IMC-LT100-4K Smart AI Tracking Camera. Now you can track speakers and audience at the same time with only 1 single device, while projecting visuals captured to a maximum of 5 different channels in 4K resolution.

4K60FPS UHD

1 /2.8-inch UHD CMOS sensor with up to 8.40 Megapixels offer 4k UHD (3840x2160) images, downward compatible with 1080P, 720P, 480P.

Low-Power Sleep Function

Low-power sleep/wake-up mode. Power consumption in sleep state is less than 400mW.

Power over Ethernet (+)

POE+ with the standard of IEEE802.3 with maximum support wattage of 25.5W, making it much accommodating for VOIP, cameras for stability connection.

Low Light

High SNR of CMOS sensor, combined with 2D and 3D noise reduction algorithm to effectively reduce noise. Pictures remain clean and clear even in low-light conditions.

20x Optical Zoom

High quality, 8 million true ultra-high-resolution with 4K ultra-wide angled lens, 20x optical zoom and horizontal field of view up to 80˚.

Smart Exposure

The brightness of the environment, regardless of lighting, projector and display panel. The camera automatically adjust the back light and exposure to focus only on the lecturer/speaker so his facial expression can be clearly seen.

Multiple Video Stream

USB-C allow 2x stream to be send concurrently.

AI Smart Tracking

Embedded NPU (Neural Processing Unit) chipset with self-learning technology that deliver consistent tracking performance. It memorize and target the lecturer and ignore any incoming audience. With the option of release and re-track different lecturer/speaker.

Built-in Gravity Sensor

Supports automatic image flip function - convenient for engineering installation and usage.

NDI I HX2

NDI I HX2 is ideal for broadcasting, thanks to its high SNR and ultra low latency.

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Front Camera



Back Camera



Technical Specifications

Camera	
Video System	4K@60fps,4K@59.97fps, 4K@50fps, 4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps
Sensor	1/2.8", CMOS, Effective Pixel: 840M
Scanning Mode	Progressive
Lens	20x, f=6.25mm ~ 125mm , F1.84 ~ F3.72
Digital Zoom	16X
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	80.8° ~ 7.5°
Vertical Angle of View	49.9° ~ 4.3°
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	Support(built in gravity sensor)
Image Freeze	Support
PoE	Support
Smart AI tracking	Support
Number of Preset	255
Preset Accuracy	0.1°
USB Featured	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	"YUY2 :Max 1080P@30fps H.264 AVC: Max 2160P@60fps H.264 SVC: Max 2160P@60fps MJPEG: max 4K@30fps"
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support
Network Features	
Video Compression	H.265/H.264/MJPEG
Video Stream	First Stream, Second Stream,
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc
Sub Stream Resolution	720x576, 720x480, 320x240 etc (*)
Video Bit Rate	32kbps~102400kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC、G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	NDI®|HX2, TCP/IP,HTTP,RTSP,RTMP,Onvif,DHCP, Multicast etc,

Input/Output Interface	
HD Output	"1xHDMI: version 2.0 video format：4K@25/30/50/60/59.94/29.97fps; 1080P@25/30/50/60/59.94/29.97fps; 1080I@50/60/59.94/29.97fps； 720P@25/30/50/60fps"
	"1x 3G-SDI: BNC type, 800mVp-p, 75Ω, follow SMPTE 424M standard Video format : 1080P@25/30/50/60/59.94/29.97fps; 1080I@50/60/59.94/29.97fps; 720P@50/60fps"
Network Interface	1x RJ45: 10M/100M/1000M Ethernet Interface
Audio Interface	1x Line In, 3.5mm audio interface；
USB	1xUSB3.0, Type-C
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
	Support
Power Jack	JEITA type（DC IN 12V）
Generic Specification	
Installation	Wall mount,ceiling mount
Display	Support
TALLY light	1 unit(red and green color)
Power Indicator light	1 unit(Blue color)
Status Indicator light	1 unit(green color)
IR remote control input	Support
2.4G remote control input	Optional
Input Voltage	DC 12V / POE+ (802.3at)
Current Consumption	TBD
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C

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