



ProCAM-Ai31sDIP

Redefining Video Excellence with AI Precision

Empowering professionals with unparalleled video quality, seamless AI tracking, and versatile connectivity for every application

The ProCAM-Ai31sDIP is a state-of-the-art video capture solution designed for professionals across education, business, healthcare, and event management sectors

Product Highlights

✓ Precision Tracking

AI-driven human detection with real-time and zone tracking modes for seamless subject focus

✓ Unmatched Visual Clarity

4K UHD resolution at 60fps, powered by a SONY CMOS sensor for high-quality imaging

✓ Flexible Connectivity

USB, HDMI, LAN, and 3G-SDI outputs for simultaneous local and remote streaming

✓ Zoom Versatility

Optical zoom options of 12x, 25x, and 31x, ensuring flexibility for both close-ups and wide angles

✓ Crystal-Clear Audio

Advanced noise reduction and high SNR ensure impeccable sound quality for professional recordings



Auto Tracking



Dual Stream Output



3G-SDI Interface



Control Interface



Support NDI|HX



4K 60fps



Pan: $\pm 110^\circ$
Tilt: $\pm 30^\circ$



Audio Input
Jack



Audio/video
Compression



Low Noise &
High SNR



Optical Zoom
12x/25x/31x

Key Features

✓ AI Smart Tracking

Effortlessly capture movement with advanced algorithms supporting multiple tracking modes like gesture and motion tracking

✓ High-Resolution Video

Capture stunning visuals with 4K UHD at 60fps and support for downscaled resolutions for varied streaming needs

✓ Optical Zoom

Multiple zoom configurations (12x/25x/31x) paired with wide-angle lenses for detailed and immersive views

✓ Audio Technologies

- Noise Suppression (ANS)
- Acoustic Echo Cancellation (AEC)
- Automatic Gain Control (AGC)
- Built-in audio input options for professional sound capture.

✓ Versatile Interfaces

Seamlessly integrate with HDMI, LAN, USB 2.0, and SDI. Output 4K audio and video simultaneously

✓ Low Light Performance

Advanced 2D/3D noise reduction ensures clarity even in challenging lighting conditions

✓ Control Options

Multiple presets (up to 255) and support for VISCA, PELCO-D, and PELCO-P protocols with RS232 and RS422 interfaces.



Applications

Education

Lecture capture and interactive classes



Business

Video conferencing and webcasting



Healthcare

Telemedicine and remote consultations



Broadcast

Live event streaming with professional quality



Product Specifications

Camera Parameter	
Optical Zoom	12X (MC8430EO), 25X (MC8430E2) 31X (MC8430E2)
Focal Length	f=3.85 mm ~ 43.06 mm ±5% f=7.1 mm ~ 171.95 mm ±5% f=6.91 mm ~ 214.64 mm ±5%
Iris Value	F1.8 ~ F3.56±5% , F1.61 ~ F5.19±5% F1.35 ~ F4.6±5%
Image Sensor	1/2.5 inch SONY CMOS sensor 8.51M megapixel 16: 9
Effective Pixels	1/1.8 inch SONY CMOS sensor
Minimum Illumination	0.05Lux(F1.8, AGC ON)
DNR	3D DNR
White Balance	Auto/Manual/ One Push/ Specified Temperature
Focus	Auto/Manual/One Push Focus
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority /brightness priority
Aperture	F1.8 F11, CLOSE
Shutter Speed	1/25~1/10000
Shutter Speed	1/25~1/20000
BLC	On/Off
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma Curve
SNR	> 50dB
AI Function	
Real-time Tracking Mode	The longest tracking distance can reach 6-7 meters, which can support the speaker to walk at a speed of 5-6 mph
Zone Tracking Mode	4 tracking zones are available, which can be set within -110° ~ +110°in horizontal and 30° ~ +30° in vertical

Interfaces Parameter	
Video Interfaces	HDMI, SDI, LAN(Support POE), USB2.0, A-IN, RS232-IN, RS232-OUT, RS422 (Compatible with RS 485), Rotary DIP switch
Video Compression Format	Video Compression HDMI, SDI, LAN(Support POE), USB2.0, A-IN, RS232-IN, RS232-OUT, RS422 (Compatible with RS 485), Rotary DIP switch
Audio Compression Format	AAC, G.711A
Audio Input	Dual channel 3.5mm linear input
Audio Output	HDMI, LAN, USB3.0
LAN Jack	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network Protocols	RTSP/RTMP, ONVIF,GB28181 Support network VISCA control protocol; Support remote upgrade, remote restart, remote reset
Power Supply	HEC3800 Outlet (DC12V)
Power Adapter	AC110V ~ AC220V to DC12V/2.5A

PTZ Parameter	
Pan Move	-110° ~ +110°
Tilt Move	-30° ~ +30°, -27° ~ +27°
Pan Speed	0.1°/s~100°/s
Tilt Speed	0.1°/s ~ 70°/s
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s
Preset Quantity	Up to 255 preset (10 via remote control)

Other Parameter	
Storage Temperature	-10°C ~ +60°C
Storage Humidity	20%~95%
Working Temperature	-10°C ~ +50°C
Working Humidity	20% ~ 80%

Accessory	
Supplied Accessory	Power Supply, RS232 Control Cable, USB2.0 Cable(U3 model), IR Remote Control, User Manual, Warranty Card
Optional Accessory	Ceiling / Wall Mount (Extra Cost)



UNIQ DIGITAL LTD

Kemp House 160 city Road, London, EC1V2NX.

Phone: +442034767436

Email: info@digitaluniq.com

Web: www.digitaluniq.com | Web: www.uniqint.com

UK | USA | KSA | Dubai | Qatar | Singapore | India | Africa