



IP CALLING & MS TEAMS

IP Calling Endpoint IT-IE1000



Features

4K 30fps

Supports the latest H.265 video encoding and decoding, achieving 4K30 ultra high definition video with a bandwidth of 2Mbps, ensuring high-quality video while reducing network construction and operation costs. Simultaneously possessing excellent dual stream collaboration capabilities, supporting dual 4K30+4K30.

Rich Visual and Audio Interfaces

Supports 4 video inputs and 2 video outputs, 7 audio inputs and 5 audio outputs, supports 4K high-definition and H.265 encoding and decoding, with rich interfaces and flexible adaptation to various peripherals, meeting the needs of large and medium-sized conferences and industries.

Dual Screen Display

Supports two high-definition video outputs, and can be connected to two large screen display devices at the same time. According to the conference scene, two large screen display devices can simultaneously output different images, improving the conference experience.

RTMP and RTSP

Supports real-time live streaming of meetings through RTMP streaming to live streaming platforms, and supports streaming from live streaming platforms to terminal playback. The terminal supports streaming input through the network camera RTSP.

Local USB Drive, Remote Recording and Broadcasting

In addition to supporting remote recording and playback, it also supports USB flash drive recording, plug and play, and secure and confidential meeting records.

Product Specification

Standards & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.265、H.264 HP、H.264
Audio Codec Protocol	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK
Double Stream Protocol	ITU-T H.239, IETF BFCP
Other Communication Protocols	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Transmission Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP

Video Features

First Stream Resolution	4K30、4K15、1080P60、1080P30、720P60、720P30
Second Stream Resolution	HDMI In:VGA (640×480) 60fps、SVGA (800×600) 60fps、XGA(1024×768) 60fps、WXGA(1280×768) 60fps、WXGA (1280×800) 60fps、1280×960 60fps、SXGA(1280×1024) 60fps、1360×768 60fps、1366×768 60fps、1440×900 60fps、1600×900 60fps、720P(1280×720) 60fps、1080P(1920×1080) 24/25/30/50/60fps、4K(3840×2160) 25/30/50/60fps; Out: 1920×1080、3840×2160
Active Double Stream	4K30 + 4K30

Reliability & Security

Network Adaptability	Video Forward Error Correction (FEC), Packet Loss Retransmission (ARQ) Automatic speed increase and decrease
Security Management	<ul style="list-style-type: none"> H.235 signaling and media stream encryption(AES-128, AES-256); TLS and SRTP Administrator password: SSH/HTTPS
Firewall Traversal	H.460, ICE, NAT

I/O

Video Input Interface	1 × HDMI, Support 4K30fps 1 × HDMI, Support 4K30fps 2 × PSE video network camera input, Max. 4K30fps
Video Output Interface	2 × HDMI, Max. 4K60fps
Audio Input Interface	1 × MINI xlr 1 × 3.5mm 2 × RCA 2 × HDMI Audio 1 × DMIC
Audio Output Interface	1 × 3.5mm 2 × RCA 2 × USB 3.0 1 × HDMI Audio
Network Streaming Interface	2 × RJ45
Conference Control Screen Interface	1 × RJ45
COM Interface	1 × RJ45
Network Interface	1 × RJ45 (10/100/1000M LAN)

Conferencing Features

Language	English
Contacts and Call History	10000 local contacts and call records
Featured Functions	<ul style="list-style-type: none"> Auxiliary flow accompanying sound; Infrared penetration; Support DNS SRV; Asymmetric bandwidth; USB microphone access; Two or three split screen display; Network address book; Built in MCU (optional); Support web control; Wi Fi access (optional); RS232/USB serial API control; Automatic standby and automatic wake-up of incoming calls; Automatically obtain static NAT addresses; Picture in Picture (1/16 screen size), Picture beside Picture; Support third-party integrated development API interfaces;

Generic Spec

Power	100v~240v AC
Operating Frequency	50Hz/60Hz
Power Consumption	< 50W

<https://www.intellitechglobal.com>

*Picture for illustration purpose only



MS Teams Room Controller



Product Specification

Performance	
PROCESSOR	Intel® Core™ i5
OPERATING SYSTEM	Windows® 10 IoT
MEMORY	8 GB (Dual-Channel) DDR4 3200MHz
STORAGE	256GB PCIe TLC SSD
GRAPHICS	Intel® Iris® Xe Graphics

connectivity	
1x HDMI Ingest	1x RJ45 Gigabit Ethernet
2x HDMI-Out	2x USB-A 3.2 Gen 2
	1x USB-A 3.2 Gen 1
	1x USB-C 3.2 Gen 2

WIFI- WLAN 802.11 AC
Bluetooth® Low Energy (LE) 5.0

Controller
10.1" 10-point Touch (1280x800 resolution, <340 nits) with 16:10 aspect ratio, 30- and 60-degree rotatable, anti-glare and anti-fingerprint

<https://www.intellitechglobal.com>

Picture for illustration purpose only



1080P Full HD PTZ CAMERA

IT-60L / 61L / 63L



Features

1080P

Use a high-quality 1/2.7 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutions like 720p.

Optical Zoom + Wide-angle Lens

V60XL:
1080P optical lens, support max 20x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

V61XL:
1080P optical lens, support max 12x optical zoom and 72.5° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

V63XL:
1080P optical lens, support max 30x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

New Generation of ISP Image Processing Algorithm

The new generation of ISP image processing algorithm provides more complete white balance and automatic exposure functions, It is which significantly improves the image output performance of the camera, and the imaging effect is also better. Widely used in education recording and broadcasting, distance education, video conferencing, live broadcasting, broadcasting and other industries.

Leading Auto Focus Technology

Using advanced focusing algorithm, the lens can focus quickly, accurately and stably.

Full Interface Low Delay Technology

All video output interfaces reach low latency indicators, and at the same time support 4 ports and 1080p60.

Upgraded AI Technology

Adopting upgraded version of AI technology, pedestrian re-cognition technology, can accurately determine the location of each person based on information such as pedestrian wearing, body shape, hairstyle, and face recognition, realize automatic identification of target human form and tracking, and automatic frame selection.

Support FULL NDI²

It supports Full NDI protocol, can output nearly lossless NDI encoded video through the network, and is Backward compatibility with NDI[®] | The HX2 protocol requires lower network bandwidth and can transmit H.265/H.264 encoded videos with high image quality with low latency.

Product Specification

Difference	IT-60L	IT-61L	IT-63L
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8	30x, f4.42mm ~ 132.6mm, F1.8 ~
Horizontal FOV	60.7° ~ 3.36°	72.5° ~ 6.9°	F2.8 60.7° ~ 2.28°
Vertical FOV	34.1° ~ 1.89°	44.8° ~ 3.9°	34.1° ~ 1.28°
HD Output	1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M		
Protocols	standard FULL NDI, NDI HX2, TCP/IP, HTTP, RTSP, RTMP, RTMPS, Onvif, DHCP, Multicast, SR		

Camera Spec

Signal System	HDMI、3G-SDI: 1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.7 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥ 55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100° /s
Tilt Speed	1.7° ~ 69.9° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

Audio

Microphone Array	Built-in dual microphones, 100Hz to 16KHz frequency response.
Analog Audio Input/Output	Support 3.5mm Line-In; Support 3.5mm Line-Out
Digital Audio Output	Support HDMI, USB, LAN, 3G-SDI etc

I/O

Audio Interface	1 x Line In, 3.5mm Jack 1 x Line Out, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

Network Spec

Video Compression	H.264
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1280x720, 1024x576, 720x576 etc.
Video Bit Rate	32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps

USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	Support a variety of different frame rates and resolution video formats, up to 1080p60 YUY2 output
USB Audio	32K Sampling Rate, Support UAC2.0
USB Video Communication Protocol UVC PTZ Control	UVC 1.1~1.5
	Support

Generic Spec

Input Voltage	DC 12V / PoE+ (802.3at)
Input Current Operating	1.5 A (Max.)
Temperature Storage	0° C ~ 40° C
Temperature Power	-40° C ~ 60° C
Consumption	15W (Max.)

<https://www.intellitechglobal.com>

Picture for illustration purpose only



Conferencing Speakerphone

IT-SP10



Features

Fashionable Business Appearance

All aluminum alloy box, metallic silver color scheme, highly textured, suitable for various business scenarios such as meeting rooms and offices.

4+2 Digital Array Microphone

The host is equipped with four high SNR omnidirectional Microphone array, which can locate the speaker's direction and position. Through beamforming algorithm combined with AI technology, high-quality audio can be obtained to ensure smooth remote meetings. At the same time, there are two extended microphones as standard, enabling remote pickup to support large conference rooms.

New Generation AI Echo Cancellation System

Equipped with a new generation of traditional signal processing and deep learning echo cancellation system, using highly robust traditional signal processing algorithms and integrating the latest deep learning network (CrossNet), it achieves the effects of both echo cancellation, noise reduction, and ensuring speech quality.

New Generation AI Audio Noise Reduction Technology

Adopting multi microphone extraction technology with self positioning target speakers, it can shield common conference noise such as keyboard, mouse or table tapping, fan sound, air conditioning sound, etc. During full duplex calls, it can achieve dual talk without pressure and clear calls, allowing attendees to focus more on the conference content discussion.

Professional Design of Sound Chamber

High fidelity acoustics is used to design the sound chamber, and the tweeter and bass speaker units are matched, and professional sound effects are used to tune. When playing music as a desktop audio, the bass is thick, the tweeter is thorough, the voice is clear and natural, and the voice is more exquisite.

USB Plug and Play, Hidden Cables, Clean Desktop

Equipped with standard USB2.0 interface, compatible with Type-A/C connection, device plug and play, and compatible with various mainstream conference software.

Product Specification

Microphone	
Microphone Type	High signal-to-noise ratio digital silicon microphone
Microphone Array	Built in six (4+2) MEMS microphones
Microphone Range	360 ° omnidirectional pickup
Polar Distance	Main microphone: 3m Extended microphone: 2m
Sampling Rate	32 KHz high-definition broadband audio
Effective Frequency Range	50Hz ~ 16kHz
Signal to Noise Ratio	94 dB SPL @ 1 kHz , 68 dB(A)
Sensitivity	94 dB SPL @ 1 kHz , -35 dBFS

Speaker	
Speaker Type	High frequency x 1+Low frequency x 1
Rated Output Power	15W
Effective Frequency Range	50Hz ~ 20kHz
Volume	89 dBA @ 1m
THD	< 3%

Audio	
Noise suppression	AI noise reduction, eliminating various stationary and non-stationary disturbances Noise, maximum background noise suppression: 90 Db
Full-duplex	Full duplex voice
Echo Cancellation	AI algorithm for echo cancellation
Gain Control	Intelligent gain adjustment control within 10m, clear pickup
Reverberation Suppression	Using AI algorithm to reduce reverberation

Hardware interface	
Power Supply Mode	Power: DC12V/2A, External power supply to power the microphone Operating Frequency: 50Hz / 60Hz
Supportive System	Windows / Mac / Android / Linux
USB Interface	USB Type-C 2.0x3 (PCx1, external micx2)
Pilot Lamp	Circular indicator strip with multiple color combinations, allowing users to easily identify the current working status of the microphone in the product, making operation convenient and concise
Key	Tap the buttons (volume+, volume -, mute, hang up, dial)

Generic Spec	
Product Dimension	Main microphone : 150mm (L) x 150mm (W) x89mm (H) ; Extended microphone : 80mm (L) x 80mm (W) x 25mm (H)
Package Dimension	297mm x 248mm x 125mm
Weight	Main microphone : 1.23 kg Extended microphone : 0.13 kg x 2
Environmental Requirements	<ul style="list-style-type: none"> Temperature: 0° C ~ 40° C (operating state), -40° C ~ 60° C (non-operating state) Relative humidity: 45% ~ 90% (operating state), 30% ~ 90% (non-operating state)

<https://www.intellitechglobal.com>

Picture for illustration purpose only