HD Video Conference Camera TV-620XM
Embedded software: HD video conference USB camera embedded software V2.0

- Full HD image: Using 1/2.8-inch high-quality image sensor, the maximum resolution reaches 1920x1080, and the output frame rate reaches 60 frames per second.
- Using 60.7° high-quality optical lens, it supports 20× optical zoom, and 16× digital zoom.
- Support the extension of 1080P60 NDI®|HB technology to achieve ultra-high-resolution image quality and closer to lossless visual effects through network transmission.
- The advanced focusing algorithm is used to make the lens focus quickly, accurately and stably.

4K Camera
TV-6124UK

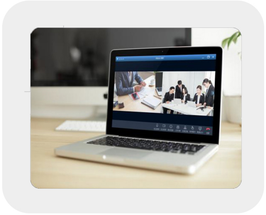
- Support 4K ultra-high definition, ultra-high definition and ultra-high resolution, the maximum can provide 4K@30fps/25fps image encoding output, and backward compatible with 1080p, 720p and other resolutions.
- Full-featured USB 3.0 interface, which integrates power supply, video and audio, and can support 1 USB and 1 HDMI at the same time.
- Support WDR, easy to deal with different lighting environment, even harsh environment can restore the most real you.

USB Omnidirectional Microphone
TV-S63B

- 48K ultra-wideband voice call HD technology, full-duplex deep echo cancellation, microphone intelligent mixing, dynamic noise suppression, automatic gain control.
- With the video conference hardware terminal and software terminal, various cloud video/network conferences and UC unified communications can be realized.
- Multiple built-in high-sensitivity microphones form a 360-degree omnidirectional pickup with a pickup radius of 3 meters.
- The speaker volume reaches 86dB, and supports 16-level digital adjustment.

USB Omnidirectional Microphone
TV-S63WL

- Full duplex deep echo cancellation, broadband voice call HD technology, intelligent microphone mixing, dynamic noise suppression, automatic gain technology.
- Built-in 4 unidirectional microphones form a 360-degree omnidirectional pickup. The best pickup distance is 4 meters, and it can reach 6 meters at most. When using an extension microphone, the pickup distance can be as far as 8 meters.
- Support wireless transmission function, no need for any cable to connect video terminals, PC and other communication devices.



HD Video Conference PC (Windows/ios) Software V2.0
NT90-PC01/NT90-MC01

- Support 64Kbps-8Mbps bandwidth rate; support CIF, 4CIF, 720P, and 1080P video resolutions.
- Support H.264, H.264 MP, H.264 HP, H.265 video codec protocol, support G.711A, G.711U, G.722, G.722.1, G.722.1C, OPUS_16K, OPUS_24K , OPUS_48K and other audio codec protocols, the sound quality is up to 48KHz.
- Support 64-channel 1080P concurrent users, and support 100 concurrent virtual meetings.

HD Video Conference Mobile APP V2.0
NT90-APP01AC/NT90-APP01SC

- Support ITU-T H.323 standard protocol and has good compatibility.
- Support CIF, 4CIF, 720P, 1080P video resolutions.
- Support H.264, H.264 HP video codec protocol, support G.711, G.722, OPUS and other audio codec protocols.
- Integrated address book, call record module.
- Support common functions such as template switching and speech application.

HD Video Conference Tablet APP (Android/ios) V3.2
NT90-iPad01AC/NT90-iPad01SC

- Support ITU-T H.323 standard protocol and has good compatibility.
- Support CIF, 4CIF, 720P, 1080P video resolutions.
- Support H.264, H.264 HP video codec protocol, support G.711, G.722, OPUS and other audio codec protocols.
- Integrated address book, call record module.
- Support common functions such as template switching and speech application.

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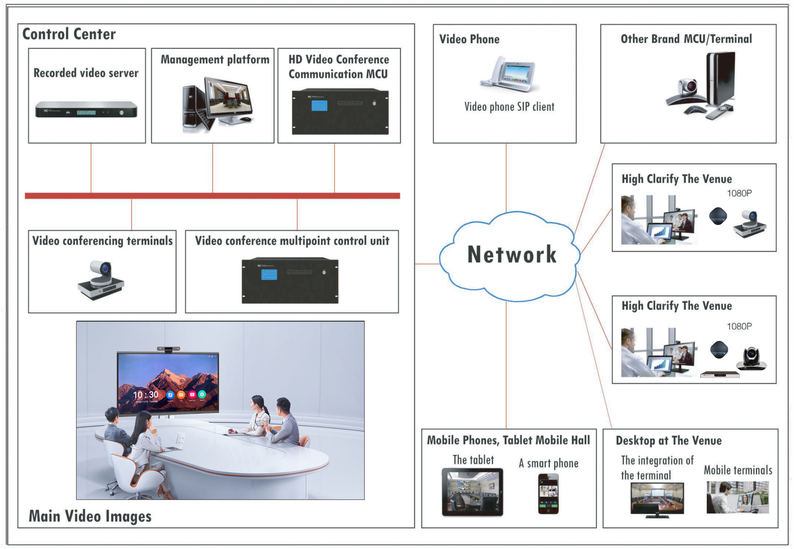
Cloud-based
HD Video Conference System V3.0

Deliver an instant connectivity and immersive communication to your meeting rooms

info@itc-pa.com.cn

System Diagram



System Features

Six Service On One Box: ITC VCS Server, integrated CMS,CRS,MCU,GK,live,record 6 functions , All services can be deployed individually and in combination according to actual needs. Graphical management tools allow unified management of equipment across the entire network, business monitoring, upgrade and maintenance, which significantly reduces OPEX.

Support dual-system hot backup: When the main server fails to work due to network disconnection or power failure, the central management server will back up the conference and related network ports on the main server. The failure of any network port will not affect the normal operation of the device.

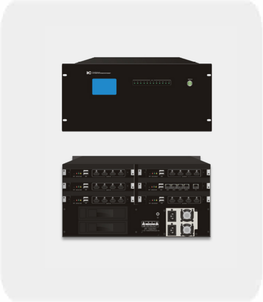
Support virtual meeting room function: System can independently allocate virtual meeting rooms for individual users, and can convene multi -party meetings without platform reservation.

Support MCU Resource Pool Mode: The single machine supports 200 users to join, and MCU concatenation can reach 1000 users. Multiple MCU can be combined into a variety of cascading modes, including a tree cascade and a network cascade. The composition: "pool", in this MCU pool, resources can be shared and scheduled, and can be backed up.

TV Wall Output Function: ITC cloud video conferencing VCS server, adopts the plug-in module design, supports 5 media resource cards, each board supports 4 HDMI interfaces. Supports up to 20 channels of HDMI interface, supports 20 channels of video conference screen, support output to large screen or video wall display, supports Ultra HD 4K resolution.

Extreme High Definition: Using the industry's top video coder technology H.265 standard, ultra low bandwidth can achieve 4K extreme high -definition display. Only 2M is required to achieve 4K video effect; only 1 M can achieve 1080P60 frame video effect; 512K can achieve 1080P30 frame video effect.

Multi-Screen Layout: Supports multi-screen layout, the number of split screens is up to 64; automatic split screen is supported; in the same conference, all conference sites can transmit dual streams at the sametime.



Cloud-based HD Video Conference Server Platform VCS8000 Series

- Module design with chassis and card plug-in.
- Built-in chart. It supports icon display to show the usage rate and meeting sites. The system can count information such as meeting times, meeting duration, number of meetings etc., according to time, meeting type and participants gathering.
- It supports distributed MCU composed of cloud architecture, in the whole system, as long as there is one MCU running, the meeting can run normally. Support multiple MCU to be tree cascading or reticular cascading modes to build a "MCU pool". In this pool, all resources can be shared, scheduled and backed up.
- One MCU max support 10 physical meeting, 100 concurrent virtual conferences, 200 channel 1080P concurrent users, allowing 1000 users to access into the meeting after cascaded.
- Support meetings of mixed speed, mixed video format, mixed protocol.

HD Video Conference Terminal of Medium and Large size conference room - NT90LT Series

- Adopting split type structure, built-in hardware video processing unit, with embedded operating system (not Windows or Android system) .
- With various interfaces, including 4-channel HD video inputs, 3 -channel HD video outputs.
- Built-in MCU function module, support holding 4-party meetings, support smooth expansion to 8-point built-in MCU function（MCU version）
- Support 4K signal outputs and a single screen supports up to 25 video images
- With ultra strong network adaptability, it adjusts the resolution according to the network automatically to ensure the fluent meeting experience.

HD Video Terminal NT90MB Series

- Adopt a split structure, built-in hardware video processing unit, and embedded Linux operating system, non-Windows/Android operating system.
- Support ITU-T H.323, SIP standard protocol, with good compatibility; support H.239, BFCP dual-stream protocol, the main and auxiliary streams can reach 1080P.
- Support 64Kbps-8Mbps call bandwidth, support QCIF, CIF, 4CIF, 480P, D1, 720P, and 1080P video resolutions.
- Built-in MCU function module, support 4-party conferences, support smooth expansion to 8 points built-in MCU functions; support built-in MCU conferences to hold mainstream and auxiliary stream conferences, and support PC version or mobile terminals to join the conference (MCU version).

4K HD Video Conference Terminal NT90MT (MT04) series

- Support ITU-T H.323, SIP standard protocol, with good compatibility; support H.239, BFCP dual-stream protocol; support mainstream up to 4K, and auxiliary stream 1080P. Support 64Kbps-8Mbps call bandwidth; support CIF, 4CIF, 720P, 1080P, 4K video resolution.
- Support 1280*720 60fps/50fps/30fps/25fps, 1920*1080 60fps/50fps /30fps/25fps HD video signal input.
- Built-in MCU function module, support 4-party meeting, support smooth extension to 8-bit built-in MCU function; support built-in MCU holding main and auxiliary stream meetings; support PC client or mobile terminal joining the meeting.

Small Size Integrated HD Video Conference Terminal NT90MT Series

- Adopting split type structure, buit-in hardware video processing unit,with embedded operating system (not Windows or Android system)
- With various interfaces, including one-channel HD video inputs, 2 -channel HD video outputs.
- With ultra strong network adaptability, it adjusts the resolution according to the network automatically to ensure the fluent meeting experience.
- Built-in MCU function module, support 4-party meeting, support smooth extension to 8-bit built-in MCU function; support built-in MCU holding main and auxiliary stream meetings; support PC client or mobile terminal joining the meeting.

HD Video Conference Camera TV-620HC Embedded software: HD video conference camera embedded software V2.0

- Full HD image: using 1/2.8-inch high quality image sensor, the maximum resolution is up to 1920x1080, and the output frame rate is up to 60 frames per second.
- Leading auto-focus technology: the advanced auto-focus algorithm enables the lens to complete auto-focusing quickly, accurately and stably.
- Audio input port: support 16000, 32000, 44100, 48000 sampling frequency, support AAC, MP3, G711 audio coding.

HD Video Conference Camera TV-6124HK Embedded software: HD video conference camera embedded software V2.0

- Adopt a new generation of SONY 1/2.5-inch UHD CMOS sensor with a maximum of 8.51 million pixels; realize 4K (3840x2160) UHD high-quality images; downward compatible with 1080P, 720P and other resolutions.
- Exclusive custom high-quality true 4K ultra wide-angle lens, 8 million ultra high resolution, 12× optical zoom, Horizontal field of view up to 71°.
- Support HDMI 1.4b specification, support direct output of 4K uncompressed digital video.