

IP Video MCU Solution



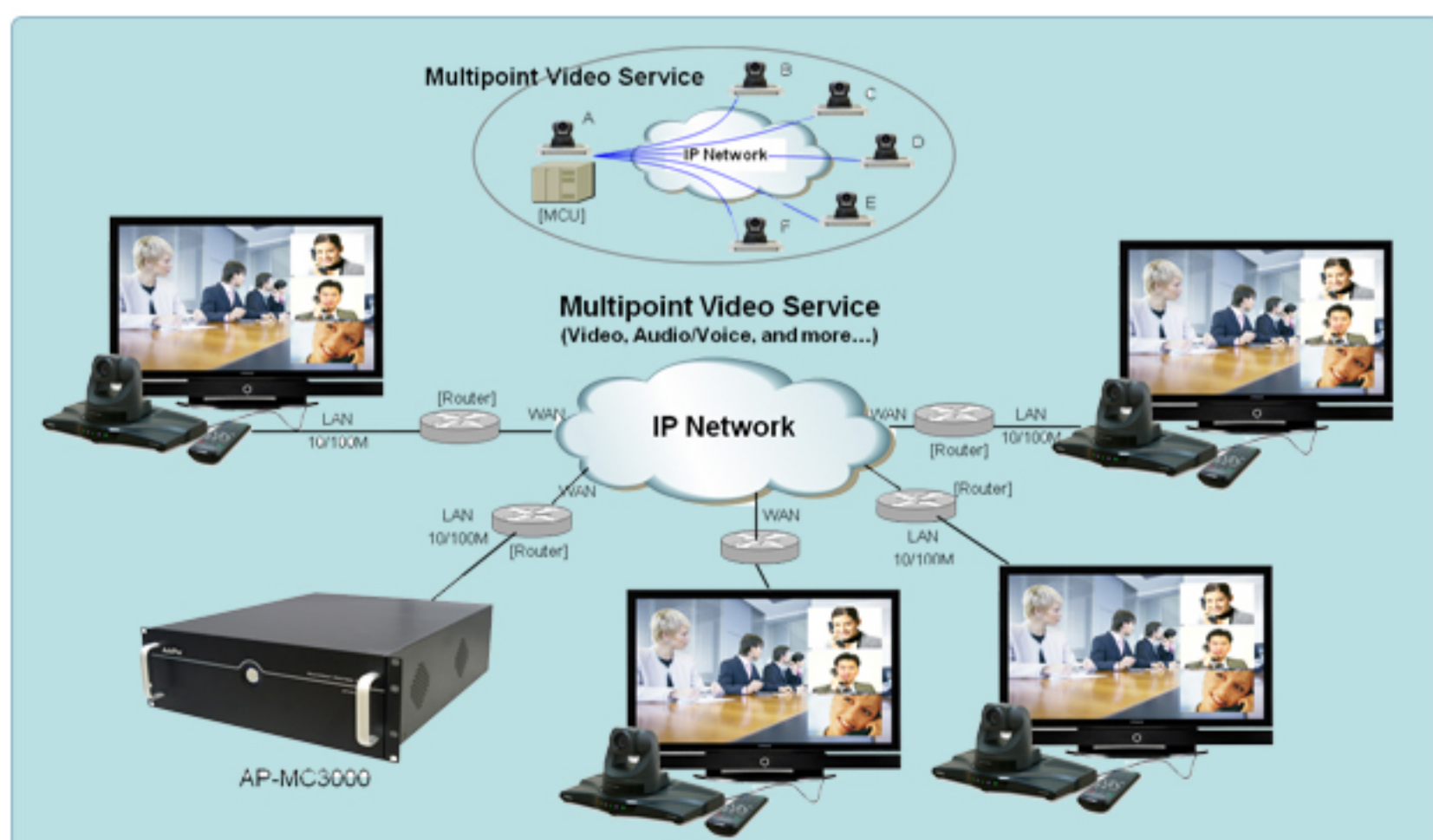
AddPac Technology IP Video MCU(Multipoint Conferencing Unit) series are state-of-the-art equipment for multipoint audio/video conferencing and real-time collaborative IP communications over internet. It is a central processing solution which provides a wide variety of features such as easy and high level conference control, user-friendly management, powerful video decoding/mixing/encoding, transcoding and switching capability through reliable real-time encoding and decoding of transmitted audio data from multiple IP video endpoints such as IP Video Phone, SD/HD Video Conference Equipment, Video Gateway. AddPac Video MCU provides a complete solution specifically for various video conference environment with multiple sites participating which are implemented technically by connecting mixed video data stream from independent terminals to single 'virtual group' for central mixing and transcoding process. Designed on the basis of firmware upgradeable high performance DSP+Processor, AddPac Video MCU supports not only latest audio/video codec currently but has capabilities of new codec

services leveraging continuous firmware level upgrade. AddPac Video MCU is also a key component of a comprehensive solution combined with AddPac IP-PBX (especially large capacity, IPNext3000, IPNext10000, etc), IP terminal equipment such as AP-VP300, AP-VP500 IP video phones, HD/SD video conference equipment for multipoint video conferencing, which provides easy-to-use user interfaces, robust performance and excellent video quality. Designed on the foundation of parallel DSP architecture + High end Processor for real-time processing, AddPac Video MCU provides a full suit of functionality for rich multipoint video conferencing experience including a wide range of transcoding coverage from voice band G.722, G.711, G.726, G.729, G.723.1, etc audio codec to H.263, MPEG-4, H.264 video codec. Also, AP-MC3000 IP Video Conference MCU support various video conference type like as Meet-me(Dial-in), Ad-Hoc(On-Demand) and Scheduled Video Conference mode. AddPac IP Video MCU is designed to support the multi-session/multi-user video conferencing. For example, if a AP-MC3000 can support the maximum 32 multi-party in case of single session, in case of four(4) session, AP-MC3000 supports the maximum 8 party(user) each concurrently. This feature maximizes the utilization of AP-MC3000 IP Video Conference MCU in large scale enterprise. AddPac Video MCU supports various video display layout functions (31 types), dynamic control function, floor function, name display function, boarder display function, etc. The video display layout function is divided as symmetric picture size, asymmetric picture size. According to video conference room size(number of conference participant, for example, 16 party room), AddPac Video MCU provides the various video display layouts. Administrator can select to a video display layout among the multiple video display layouts via AP-MC3000 manager program. When a new video conference is started, users can choice a specific video layout automatically or manually. Dynamic control function is used when video display layout is changed dynamically or conference participant is move out/in during video conferencing.

IP MCU Comparison Table

	AP-MC5000	AP-MC3000	AP-MC2000	AP-MC1800
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Voice Codec	G.722/G.711/G.726/ G.729/G.723, etc	G.722/G.711/G.726/G. 729/G.723, etc	G.722/G.711/G.726/G. 729/G.723, etc	G.722/G.711/G.726/G.72 9/G.723, etc
Party Number	64	32	16	4/8
Multi-Session	Support	Support	Support	Support
Conference Mode	Add-Hoc, Dial-Out, Meet Me	Add-Hoc, Dial-Out, Meet Me	Add-Hoc, Dial-Out, Meet Me	Add-Hoc, Dial-Out, Meet Me
H.323 GateKeeper	Support	Support	Support	Support
Conference Video Recording	Support	Support	Support	Support
LAN Port	2	2	1	1
Power Duplication	Support	N/A	N/A	N/A

Network Diagram



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