

HD IP Broadcasting Solution



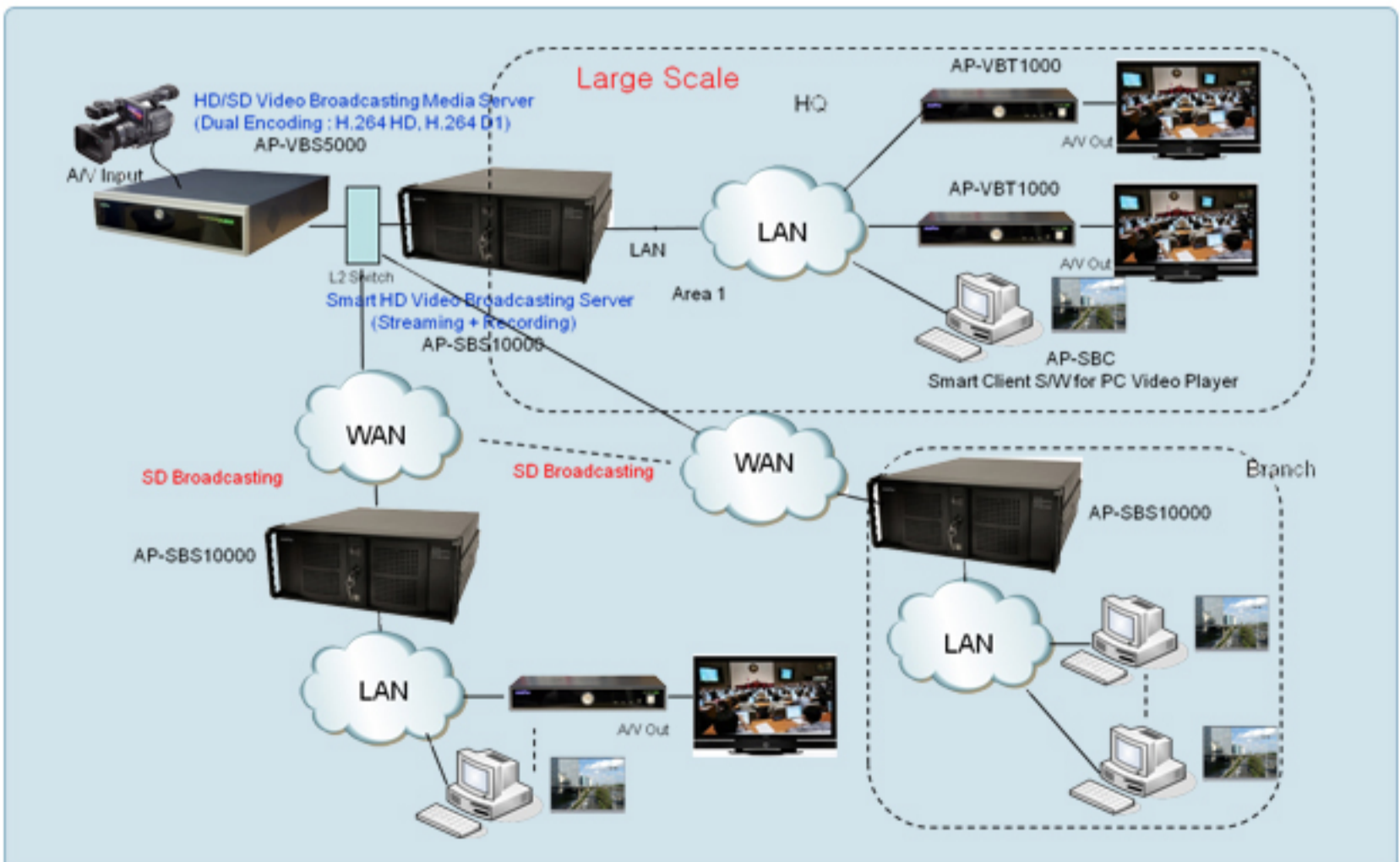
AddPac Technology HD IP video broadcasting solution is composed of HD IP broadcasting media server, HD video broadcasting server and AP-VBT1000HD broadcasting terminal, and AP-MBMS broadcasting management program. AddPac IP media server encode/transmit HD quality video image in real time with DSP hardware and high performance processor. AddPac HD IP broadcasting media server opens a whole new world of high quality images in real time based on an excellent performance and stability. AP-VBS7000, AP-VBS6000, AP-VBS5000, AP-VBS3000 HD video media server, basic component AP-SBS10000 broadcasting server, AP-VBT1000 HD video broadcasting terminal are designed on the basis of hardware codec and high performance RISC CPU based embedded system to transmit/replay the high quality video images in real time. A compressed video image provides stabilized high quality video images in data integrated network through QoS algorithm. It processes 30 frames of 1080i Full HD, HD (1280X720) images per second with ~15Mbps transmit bandwidth in IP network environment. Especially, a user may setup an appropriate frame

rate/bit rate in accordance with network status so it allows accepting from low bandwidth to high bandwidth. AddPac HD IP video broadcasting solution provides following features; IGMP multicast protocol, QoS (Quality of Service), VRRP (Virtual Router Redundancy Protocol) for load balancing. This allows accepting various types of issues more flexibly. AddPac Technology is not only a vendor to provide IP based HD broadcasting solution, but it also to provide IP-PBX, VoIP, media gateway, various IP audio/video terminals, external audio/video MCU, video conferencing device, IP audio/video broadcasting, VoD solution, network DVR, audio/video recording solution, and traffic controller QoS device solution. An upcoming ALL IP based multimedia telephony environment must be shared on same IP network. As a result, each integrated solution and entire integrated solution is considered as an important factor. In that sense, AddPac HD IP broadcasting solution will satisfy the needs of customer.

HD IP Broadcasting Media Encoder Comparison Table

	AP-VBS7000	AP-VBS6000	AP-VBS5000	AP-VBS3000
Video Codec	H.264 High Profile	H.264 High Profile	H.264 Video Codec, MPEG4	H.264 High Profile
Video Resolution	1080i Full HD, 720P HD	1080i Full HD, 720P HD	H.264 : 720P HD MPEG4 : VGA, QVGA	1080i Full HD, 720P HD
Video Input Interface	HD-SDI, HDMI	HD-SDI, HDMI	Component, HD-SDI, RCA, S-Video, RGB	HD-SDI, HDMI
Audio Interface	RCA Stereo Interface	RCA Stereo Interface	RCA Stereo Interface	RCA Stereo Interface
Channel Number	Up to Ten(10) Video Channel	Up to Four(4) Video Channel	Two(2) Video Support	Up to Two(2) Video Channel
Video Terminal	AP-VBT1000 ,etc	AP-VBT1000 ,etc	AP-VBT1000, AddPac Video Phones	AP-VBT1000 ,etc

Network Diagram



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