

Technical specification for Set-top Video Conferencing device

DESIGN FEATURES: Compact set-top unit that fits perfectly on any standard television set integrated wide angle view camera with extensive zoom, pan and tilt

APPLICATION FEATURES: Share files using the PC presentation capabilities

PERFORMANCE FEATURES: Choice of Network up to 384 kbps ISDN/768 kbps IP (H.323 or SIP) Video Quality must incorporate the H.264 standard Highest level of embedded encryption as well as IEEE 802.1x and H.235 authentication for security Protection against network interruptions with automatic Down-speeding and IPLR

Device should have the following features:

Wireless remote control, W.A.V.E. II camera, microphone, and cables

FIREWALL TRAVERSAL: Auto NAT, H.460.1B, H.460.19 Firewall Traversal

VIDEO FEATURES: Native 16:9 Widescreen , Advanced Screen Layouts , Picture in Picture (PIP), Picture outside Picture (POP) , Side by Side , PC Zoom , Intelligent Video Management Local Auto Layout

VIDEO INPUTS (1 INPUT): Built-in main camera with 1 x RCA/Phono, composite: document camera/auxiliary & 1 x XGA: PC using VNC (PC SoftPresenter)

VIDEO OUTPUTS (3 OUTPUTS): 1 x MiniDin, S-video , 1 x RCA/Phono, composite , 1 x XGA

XGA Output: 800 x 600 @ 75 Hz, 1024 x 768 @ 60 Hz, 1280 x 768 (WXGA) @ 60 Hz

VIDEO FORMAT to be supported: NTSC, PAL, VGA, SVGA, XGA, W-XGA

LIVE VIDEO RESOLUTIONS NATIVE NTSC: 400p (528 x 400 pixels) receive only 4SIF (704 x 480 pixels), Digital Clarity Interlaced SIF (iSIF 352 x 480 pixels), Natural Video SIF (352 x 240 pixels)

NATIVE PAL: 448p (576 x 448 pixels) receive only 4CIF (704 x 576 pixels), Digital Clarity Interlaced CIF (iCIF 352 x 576 pixels), Natural Video CIF (352 x 288 pixels), QCIF (176 x 144 pixels), SQCIF (128 x 96 pixels) decode.

NATIVE PC RESOLUTIONS: XGA (1024 x 768 pixels), SVGA (800 x 600 pixels), VGA (640 x 480 pixels)

WIDE RESOLUTIONS: w288p (512 x 288 pixels), w448p (768 x 448 pixels) receive only w576p (1024 x 576 pixels) , w720p (1280 x 720 pixels)

STILL IMAGE TRANSFER: CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, XGA

AUDIO STANDARDS: G.711, G.722, G.722.1, G.728, 64 bit MPEG4 AAC-LD

AUDIO FEATURES: CD-Quality 20KHz Mono , Acoustic echo canceller , Audio mixer Automatic Gain Control (AGC) , Automatic Noise Reduction , VCR ducking Packet loss management , Active lip synchronization , GSM/Blackberry interference audio feature

AUDIO INPUTS (2 INPUTS): 1 x microphone, 24V phantom powered, XLR connector 1 x RCA/Phono, Line Level: Auxiliary/VCR

AUDIO OUTPUT (1 OUTPUT): 1 x RCA/Phono, Line Level: Monitor

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FRAME RATES: 15 frames per second 56-128 kbps , 30 frames per second 168-768 kbps

EMBEDDED ENCRYPTION: H.320 and H.323 point-to-point calls, NIST-validated AES, NIST-validated DES

IP NETWORK FEATURES: DNS lookup for service configuration, DiffServ, RSVP, IP adaptive bandwidth management, IPLR, Date and Time support via NTP

IPv6 NETWORK SUPPORT: Dual Stack IPv4 and IPv6 simultaneous support

SECURITY FEATURES: Management via HTTPS and SSH, IP Administration Password, H.243 MCU Password , VNC password , SNMP security alerts , SIP Authentication via NTLM SIP Authentication via Digest

NETWORK INTERFACES: 3 x ISDN BRI (RJ-45), S-interface, 1 x LAN/Ethernet (RJ-45) 10/100 Mbit, 1 x PC card slot (PCMCIA) for wireless LAN, 1 x USB for future usage

WIRELESS LAN SUPPORT: Compliant with IEEE 802.11b, up to 11 Mbit, Support for 64/128 bit encryption (WEP)

ETHERNET/INTERNET/INTRANET CONNECTIVITY: TCP/IP, DHCP, ARP, FTP, Telnet, HTTP, HTTPS, SOAP and XML, SNMP Enterprise Management

W.A.V.E. (WIDE ANGLE VIEW) II CAMERA: 10 x zoom 1/4" CCD +15°-20° tilt +/-95°pan 61° vertical field of view , 96° total vertical field of view , 77° horizontal field of view , 267° total horizontal field of view , 460 (PAL)/470 (NTSC) TV lines , Min. illumination 2 Lux (F1.8) Auto or manual focus/brightness/white balance, Far-end camera control , 15 near and far-end camera pre-sets , Voice-activated camera positioning

CLOSED CAPTIONING/TEXT CHAT: T.140 text chat from Telnet,

PRESENTATIONS AND COLLABORATION: Compatible Soft Presenter Package

SYSTEM MANAGEMENT: Total management via embedded web server, SNMP, Telnet, SSH, FTP and SOAP, Remote software uploads: via web server, ftp server or ISDN 1 x RS-232 local control and diagnostics

DIRECTORY SERVICES: Support for Local directories, Unlimited entries using Server directory supporting LDAP and H.350, Unlimited number for Corporate directory (through TMS) 400 number global directory, 200 number local directories, Received Calls with Date and Time Placed Calls with Date and Time, Missed Calls with Date and Time

CUSTOMIZED WELCOME SCREEN AND COMPANY LOGO:

Picture JPEG (logo.jpg): Recommended maximum size 704x576 for Welcome Screen and 352x288 for Encryption Required Screen

Certification Standard: UL / CSA

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