

WAVES Video Telephony



to enable the future

WAVES Video Telephony - The most flexible platform

In the current market scenario incumbent telecom operators are continuously seeking new ways to improve the profitability of their traditional business - local and long distance phone service - while limited revenue streams come from pure Internet access services; new operators are trying to acquire a share of the telecom market by offering new value-added services in order to differentiate their offer and to quickly generate the operating margins necessary to cover the huge investments in network infrastructure.



IP broadband networks, both FTTH and xDSL, give telecom operators the lucrative opportunity to offer new services to their customers. Operators can offer highly interactive video services thanks to IP Broadband networks, which offer an unprecedented possibility for a two-way, large bandwidth communication.

Video Telephony, more likely than any other interactive service, represents a significant revenue opportunity for operators offering IP broadband services. For instance:

- > **New operators** are able to give video services, a clear differentiator from other competitive offers such as terrestrial or satellite TV, to their new customers;
- > **Incumbent operators** (typically offering broadband either through xDSL or fiber networks) can offer Video Telephony to their existing customers as a "natural" extension of their offer therefore giving them an additional reason to purchase broadband services and preventing them from joining new operators.

For all IP service providers, Telsey has developed WAVES (Web And Video Entertainment System) Video Telephony, a revolutionary device that enables high quality video communication combined with a complete set of IP-Video services.



WAVES Video Telephony is part of the Telsey's WAVES product line that also includes :

- > WAVES Video Streaming - a platform that delivers a complete set of video services including IP-TV, Video on Demand, Web-TV and many others;
- > WAVES Kiosk - a WAVES Video Streaming specific configuration specifically designed for the retail/finance markets.

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End users, both the called and the calling parties, through Telsey's **WAVES Video Telephony** experience video communication of the future by enjoying high quality resolution at full TV screen size. Thanks to the flexibility of its hardware platform and to an applicable range of coders/decoders, also at low bit-rates, WAVES Video Telephony is ready for fiber and for ADSL networks.



Telsey supplies **WAVES Video Telephony** with its own keyboard, remote control and PAL camera. End users can easily connect Telsey's WAVES, in its basic configuration, to a TV, to a PAL Camera, to a standard telephone and to the IP network. Additionally, customers can hook up their own preferred PAL camera and microphone. Analog telephones can be used to either initiate or to answer a Video call. Special keys (like e.g. * or #) can be used to distinguish between the activation of normal calls and the activation of Video calls. The remote control and keyboard can be used to give Video Telephony commands since our video telephony services are fully integrated in a single platform with our Video Streaming solutions.

WAVES Video Telephony is equipped with a set of standard network interfaces intended to facilitate integration with the most popular infrastructures for video telephony.

Telsey offers its support and decennial expertise to integrate and render, in the shortest time possible, **WAVES Video Telephony** interoperable with our customers' networks.



Technical Specifications:

System	266 MHz, 32 bit x86-compatible microprocessor DSP Media Coprocessor 128 MB RAM (optional for Local Boot) 32 MB Disk on Chip Linux Operating System
Interfaces	Phone In: RJ11 FXS interface for analog phone Phone Out: RJ11 FXO interface Mic In: Jack 3,5 mm. Stereo Audio input for external microphone Video In 1: DIN-8 connector including: > Video input from external camera (supplied with the product) > Power supply to external camera (supplied with the product) > Audio input (External PAL camera microphone) Video In 2: RCA connector for Video input from external camera
Accessories	PAL Camera
Communication	H.323, SIP
Data Rate	128kbps - 768kbps
Video	Codec: ITU-T H.261, H.263, H264 Resolution: QCIF, CIF, 4CIF Frame rate: Up to 25 frames per second for CIF & QCIF resolutions
Audio	Codec: G.711 A-law, ulaw, G.723, G.729 Echo canceller: ITU-T G168 compliant
Management	DHCP client SNMP Web Server TFTP Network bootable via TFTP (with Telsey Boot Server) Network bootable via IP multicast (with Telsey's multicast boot server) Network upgradeable via TFTP (with Telsey Upgrade Server)
Interoperability	Interoperable with leading Video Conferencing infrastructure suppliers
Dimensions	Height: 28 mm Depth: 116 mm Width: 76 mm

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