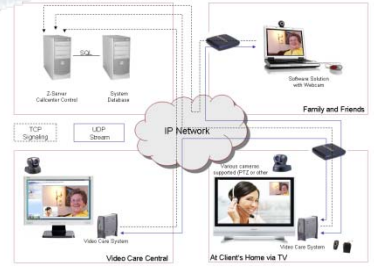


BETAVISTA

video ♦ care ♦ system



BETAVISTA reduces the cost of care for elderly and enhances their wellbeing by providing a new level of interactive home telecare and interaction with service providers. BETAVISTA is a powerful and feature rich system with a small foot print ready for home or clinical environments.

SUPERIOR VIDEO AND AUDIO OVER BROADBAND

- BETAVISTA supports high quality cameras (PTZ possible!), enabling superior video and audio quality over typical broadband connections.
- Equipped with a powerful CPU, the unit provides high quality simultaneous two-way audio.
- Agile and flexible, the BETAVISTA supports a wide range of standards and protocols, enabling quick installation and excellent quality without expensive network provisioning.
- JPEG snapshots from the client camera can be captured.

OPEN INTERFACES FOR MANY SERVICES

- XML-Interface makes it possible to integrate additional devices and services, such as: medical peripherals, emergency systems, home automation (Smarthome), security systems, meals on wheels, video on demand, hairdresser, laundry, etc.

EASY FOR THE CLIENT

- The simplicity of BETAVISTA makes Telehealth convenient for your clients. It is easy to set up and easy to use. One touch on the remote control or on the call button on the included table-top microphone starts the video call to the care provider.
- When the care provider calls the client, a bright visual ring indicator makes the incoming call visible for deaf or hard of hearing users.

VITAL INFORMATION FOR THE CARE PROVIDER

- The BETAVISTA is able to display important status messages on the client's screen. Clear instructions as well as reminder functionality is provided as service for the client.
- A range of medical monitoring devices allow remote measurement of vital signs.

SHARING SAVES COSTS

- With an infrared remote control more persons can share one BETAVISTA at the client site, reducing the overall cost of providing in-home monitoring.

CONNECTION TO THIRD PARTIES

- Relatives, doctors abroad, third parties can enter the network via Internet using a webcam.
- Betavista is designed for connecting clients to medical callcenters or hospitals. It is a cost effective solution for clients with chronic illnesses or after-care demand.

NETWORK INTERFACE

2 10/100 ETHERNET
WIRELESS LAN (optional)
MOBILE NET (UMTS)

IN & OUT

EXTERNAL CAMERA CONTROL
MICROPHONE/HEADSET PORT
COMPOSITE AUDIO/VIDEO IN
COMPOSITE AUDIO/VIDEO OUT
SCART INTERFACE
2 RS-232 DATA PORTS
INFRARED REMOTE CONTROL
SD-CARD
6 USB INTERFACES
BLUETOOTH

FEATURES

MULTIUSER
SERVER BASED
CONFIGURATIONS
DATA SYNCHRONIZATION
AUTOMATIC SOFTWARE
UPDATE
MEDICAL PERIPHERAL
SUPPORT
ONE TOUCH DIALING
VISUAL RING INDICATOR
PTZ CAMERA CONTROL
(remote)
PIN AUTHENTICATION
DATA ENCRYPTION

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TECHNICAL SPECIFICATIONS

COMMUNICATION PROTOCOLS SUPPORTED

- Video: H.264
- Adaptive Bandwidth: 16 kbps – 2048 kbps
- Audio: G.726 (16kbps/24kbps)

VIDEO FORMATS

- CIF 352*288 @ 25fps

MICROPHONE/HEADSET CONNECTOR

- Handfree/External Speaker/Microphone
- One touch push button dial capability with optional tabletop boundary mic
- 3.5 mm jack for stereo headset (8 ohm)
- 3.5 mm jack for passive microphone
- 0.1 Vpp input

AV INPUTS

- Video input: RCA jack
- Format: NTSC/PAL composite 1 Vpp
- 1 peripheral camera port: Mini-DIN 8
- Webcam: USB
- Line level input: RCA jack

AV OUTPUTS

- Video output: RCA jack, HD-15
- Format: NTSC/PAL Composite 1 Vpp
- Audio output: RCA jack
- Line level output: RCA jack (-10 dBm typical)

TELEVISION INTERFACE

- SCART (RGB) Compatible
- SCART cable optional
- Auto TV Control
- Audio/Video output

CPU CORE

- Texas Instruments DaVinci SoC
- ARM@300MHz with Linux Operating System
- DSP TMS320DM6446@600MHz (4800 MIPS)

DATA PORTS

- 2 RS-232 Data Ports (1 Mini-DIN 8, 1.2 – 115.2 kbps)
- 6 USB 2.0 (2 in front, 4 in behind)
- 1 USB 2.0 (internal connector)
- 1 SDIO (SD-Card Connector)
- IR Remote Control
- Bluetooth Class 2 (10m)

NETWORK COMMUNICATIONS

- 10/100 Base Tx Ethernet Interface
- 2 RJ-45 jack connectors
- Wireless LAN, WiFi (USB Dongle), 802.11g, 54Mbit
- WEP 64/128, WPA/WPA-PSK, WPA2/WPA2-PSK
- IP addressing: Static, DHCP
- Protocols: TCP/IP, UDP, ARP, UPNP, Multicast

COMMUNICATIONS SECURITY

- XML based Messaging
- First Key Exchange: RSA 2048bits (configurable!)
- Streaming Encryption: RC4 quick change

STANDARD SOFTWARE FEATURES

- Multi User Capability&Configuration
- Phonebook (Integrated Speed Dial Function)
- Bright Visual Ring Indicator
- Remote Control (Menu, Video communication, ...)
- IP based Remote Access (PTZ Camera, ...)
- Image Quality Controls: Resolution, Framerate
- Picture-in-Picture (PIP) display (movable, sizable)
- Image Snapshot
- Automatic Software Update (configurable)
- Multi User Conferencing (4Video)

POWER

- DC Input: 12 V DC
- Consumption: <18 W active, <5 W standby
- AC adaptor: Universal 100-240 V AC, 47-63 Hz
- UL, CSA, CE listed

PERIPHERALS

- Connectivity: RS232, USB, BT
- External PTZ Camera
- Medical Devices

MEDICAL DEVICES SUPPORTED

- Blood Glucose Monitors
- Blood Pressure Monitors
- ECG Monitors
- Pulse Oximeters
- Spirometers
- Stethoscopes
- Weight Scales

PHYSICAL/ENVIRONMENTAL

- Dimensions (HxWxD): 156.2 x 60.3 x 204.6 mm (6.15 x 2.37 x 8.06")
- Weight: 0.8 kg (1.8 lbs)
- Operating temperature: 0° to 40°C ambient
- Operating humidity: 5 % to 95 % relative humidity, non-condensing
- Storage temperature: 0° to 70°C ambient
- Storage humidity: 5 % to 95 % relative humidity, non-condensing

