

ViewPoint 8210 Videophone



ViewPoint 8210 is a new generation videophone developed to deliver face-to-face communications over broadband networks. Portable and compact, it is suitable for both personal and enterprise application. The modern appearance and easy-to-use features allow users to enjoy quality video and audio communications. ViewPoint 8210 can access IP networks via various modes, including LAN, VPN, ADSL, and cable modem. Fully compatible with H.323 or SIP system, ViewPoint 8210 can interoperate with various terminals, such as videophones, IP phones, group video terminals, 3G mobile phones (via 3G gateway) and PSTN telephones (via VoIP gateway).

Easy to Use

The all-in-one architecture, angel-adjustable camera and LCD screen, friendly GUI, and built-in HUB enable users to install and use the system easily. Making a call or convening a multipoint conference is just to press one or several buttons.

2-in-1 Videophone

ViewPoint 8210 can initiate both video calls and pure voice calls over IP network. Users can also dial PSTN calls via a VoIP gateway.

Lifelike Video

Adopting a series patented video processing technologies including Videodensifier, HPEC, and ViewProcessing, ViewPoint 8210 delivers full motion high quality video with up to 30 fps at 384 kbps. People can switch among local picture, remote picture and PIP modes freely during the conversation.

Silvery Audio

Automatic gain control (AGC), automatic noise suppression (ANS), automatic echo cancellation, and automatic lip synchronization mechanism (LSM) make the audio clear and silvery.

Multipoint Videoconferencing*

Like a group video terminal, ViewPoint 8210 enables users to convene a multipoint conference and control the conference by simple operations without the help of an administrator.

Firewall / NAT Traversing*

Supporting Huawei's patented SNP protocol, ViewPoint 8210 in private network can traverse NAT/firewall and communicate freely with other terminals located in public network or private networks (need cooperation of ViewPoint 8520). It extends the video and audio communications over IP network in a simple and secure mode.

Privacy and Security

Just by pressing one button, users can mute their video or audio freely to protect their personal privacy during the session. To ensure the security, all passwords used in registration, SiteCall, and conference control are encrypted and all remote accesses like telnet, software upgrading, and phone book transferring are authenticated by local user.

Built-in NAT and HUB

With the built-in NAT router of ViewPoint 8210, users can visit web sites and make video calls simultaneously by sharing one IP connection to the public network.

QoS Guarantee

With technologies of packets reordering, jitter correction, packets loss compensation, error packets concealment, and automatic downspeeding greatly, ViewPoint 8210 greatly ensures the QoS for video telephony.

VIDEOPHONEPRO

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ViewPoint 8210 Videophone Specifications

Standards

Frame: H.323, SIP2.0
Video: H.261/H.263/H.263+
Audio: G.711 A/G.711 μ /G.728
Network: TCP/IP, UDP, RTP, RTCP, DHCP, Telnet, DNS, PPPoE, SNMP**, FTP

Transmission Rate

IP: 64kbps~512kbps

Video

Format: QCIF (176 x 144) /CIF (352 x 288)
Frame rate: 30fps @ 384kbps
Display: Local picture, Remote picture, PIP
Video brightness, contrast, saturation control

Audio

Full duplex audio
Acoustic Echo Cancellation (AEC)
Automatic Noise Suppression (ANS)
Automatic Gain Control (AGC)
Lip Synchronization Mechanism (LSM)
Adjustable gain and volume

Camera

1/4 sensor CCD
320K pixels for PAL or 270K pixels for NTSC
180° adjustable vertical angel

LCD Display

3.5 TFT color LCD
Resolution 960 x 234
90° adjustable vertical angel
Adjustable brightness and chroma
Automatic sleep mode

Interfaces

Ethernet: 10/100Base-T, 2 x RJ-45
Video input: CVBS PAL/NTSC (RCA)
Video output: CVBS PAL/NTSC (RCA)
Audio input: Line (RCA)
Audio output: Line (RCA)

Call Features

Video IP call
Voice IP call

Conferencing Features

SiteCall (conference convening)*
H.323 conference control*

Languages

English, Japanese, Korean, Chinese (S, T)

Phone Features

Phone book of 200 records
Phone book transferring
Call history
Ring tones selection
Privacy protection
Auto answer mode
Hands free mode
Call forwarding
Power saving mode
Time synchronizing with server*
LED indicator

QoS

TOS
IP precedence
Auto downspeeding

Maintenance

Self test
Status monitoring
Auto upgrading via FTP server
Connectivity testing

Electrical

Operating voltage: 100 ~ 240VAC
Frequency: 47 ~ 63Hz
Power consumption: 17 watts

Environment

Operating temperature: 0°C ~ 40°C
Storage temperature: -40°C ~ 70°C
Relative humidity: 10% ~ 80%
Noise: Less than 46dBA SPL
Luminance: 7lux minimum, 300lux or more recommended

Reliability

Standard : ETS 300 386(2000), EN50082-2,
EMC class B

Physical

Dimensions: 270mm (L) x 210mm (W) x
170mm (H)
Weight: 1.5kg

Warranty

15 months

* H.323 system only

** SIP system only

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