

TS5210/5610

With a very compact design and a great performance/cost ratio, TS5210/5610 videoconferencing terminal is definitely your ultimate choice to deploy your videoconferencing network in any kind of office environment.



TS5210/5610 is a set-top videoconferencing terminal, with integration of high caliber camera and microphone. An all-in-one design makes usage extremely easy. With outstanding video & audio performance and exceptional network adaptability, TS5210/5610 can be deployed fast in public network. TS5210/5610 performs also a strong extension conference in order to create efficient and real life communications with remote instant collaboration.

- **Exceptional Video/Audio Quality**

Embedded with efficient H.264 video codec and Broadband Sound Processing technologies and with integration of the Video Intelligence Optimization and Coding Policy Adjustment technologies®, TS5210/5610 lets you enjoy an exceptional audiovisual experience in any type of bandwidth environment, even in very limited uploading speed of ADSL access networks.

- **Efficient Remote Collaboration**

It becomes very easy by sharing a high resolution screen images from your laptop through this video communication channel with multiple sites. Every participant can browse your presentation slides, pictures, spreadsheets or documents simultaneously while watching your speech image. Audience can choose a PIP mode either on one TV set or use one TV and one projector separately.

- **Strong Network Adaptability**

With power of IPLR (Intelligent Packet Loss Recovery), Dynamic Rate Adjustability and QoS Optimization technologies, this Meeting Terminal can automatically adapt to your different network environments and ensure conference running under adverse Internet network conditions. TS5210/5610 also consists of a built-in proxy, which allows setting up a traversal over NAT and firewall, without any additional equipment. Thus, you can rapidly deploy a highly secured network on the basis of Internet connection.

- **Intensive Security Feature**

TS5210/5610 adopts the 128-bit high-reliability encryption mechanism to insure conference information security. In addition, it incorporates the embedded design architecture based on dedicated chips and strict authorization & authentication policies to prevent system security from unauthorized access.

- **Integrated Microphone**

With the embedded microphone, participants can easily speak with a range of 5 meters, clear and sharp. No more microphone positioning, simple and cost saving.

- **Conference Multicast**

TS5210/5610 supports conference multicast function, which makes live multicast of a conference to LAN users. In this way, those who are not present to conference site can watch the conference from their PC in office.

- **Simple and Easy to Use**

TS5210/5610 comes with a friendly Graphic User Interface; you can use the remote control to initiate a conference, just as simple as making a phone call.

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Technical Specifications:

Protocol Standards

System standard: H.323
Video standard: H.263, H.263+, H.264
Audio standard: G.711, G.722, I Annex C/Polycom®
Siren14™, G.728
Dual video standard: H.239
Network protocols: TCP/IP, Telnet, HTTP, FTP,
SNMP, DHCP, RTP/RTCP
Other standards: H.225, H.231, H.235, H.241,
H.242, H.243, H.245, H.281

Conference Rate

TS5210: Up to 1 Mbps
TS5610: Up to 2Mbps

Video Resolution

CIF (352×288)
4CIF(704×576)*
VGA (640×480)
SVGA (800×600)
XGA (1024×768)
* TS5610 only

Video Frame Rate

PAL: 25 frame/second
NTSC: 30 frame/second

Video Input

1×RCA, composite video

Video Output

1×RCA, composite video
1×VGA, PC content

Video Features

PIP display
Video input signal detection
Adjustment of brightness, saturation, and contrast

Audio Input

1×MIC, XLR interface (12V phantom power supply)
2×RCA, line level
1×KAI, dedicated Kedadom Audio Interface
(Application functions to be extended)

Audio Output

2×RCA, line level

Audio Features

Automatic mixing of multiple inputs
Automatic Echo Cancellation (AEC)
Automatic Noise Suppression (ANS)
Automatic Gain Control (AGC)
Mute and quiet control
Active lip synchronization

Network Interface

1×10/100Mbps
WiFi optional, IEEE802.11b/g

Control Interface

1×RS232
Infrared remote control

Other Interfaces

1×USB 2.0 (Application functions to be extended)

Network Adaptability

NAT/firewall traversal
Socks5 traversal
IPLR
Dynamic rate adjustment
QoS (DiffServ, IP Precedence)
IP address conflict detection
PPPoE

Security Features

H.235 conference encryption
128-bit AES encryption
Conference password
Login authentication and authorization
Gatekeeper password authentication

Management and Diagnosis

OSD menu management via a remote control
PC Web login management
Online configuration and remote upgrade
Terminal self-test, loopback test, color bar test, and audio test
Running status monitoring, alarm display and sending

Address book management
Virtual meeting room on KDV serial MCU
Multicast Functions
Conference streaming multicast
Dual video streaming multicast
Multicast password authentication

Multicast Functions

Conference streaming multicast
Dual video streaming multicast
Multicast password authentication

Dual Video Stream

H.239 dual video stream
Adjustable dual streaming bandwidth allocation
PIP mode/Dual display mode

Caption Function

Boardroom logo
Short message sending/receiving

Camera

Fixed camera
Horizontal angle of view: 70°
Horizontal Range: ±20°
Vertical Range: ±20°
Automatic white balance
Automatic brightness control

Microphone

Embedded microphone
Audio capture range: ≤5m

Electric Features

Power consumption: ≤15W
Adapter power supply: AC (90~246V/47~63Hz)

Environmental Requirement

Operating temperature: 0°C~40°C
Operating humidity: 5%~85% (non-condensing)
Atmospheric pressure: 86~106kPa

Physical Features

Dimensions: 50mm (H)×260mm (W)×145mm (D)
Weight: ≤1.2kg

