

# VIDEO-PAYPHONE



**Unique**  
The very first public videophone—ever!

**Convenient**  
Talk “face to face” with anyone, wherever they are

**Versatile**  
Provides applications of all kinds: including Videoconferencing and videosurveillance

## OVERVIEW

Video-Payphone is the very first public telephone to offer high-quality audio and video connectivity. Its unique technology is a joint project of Tianjin Zhongtian Telecommunication Co., Ltd and Aethra Telecommunications and combines the ease and low cost of public telephones with the convenience of videoconferencing.

### STANDARDS COMPLIANT

Video-Payphone fully conforms to H.320 and H.323 and can be used over both ISDN and IP lines.

### UBIQUITOUS ACCESS

Video-Payphone provides ubiquitous access to videoconferencing of all kinds. By transmitting high quality images and high definition voice, Video-payphone enables users to hold multi-point videoconferences and talk “face to face” with relatives, friends and business associates, wherever they are. Applicable in a variety of public areas, including airports, hotels and shopping centers, wherever it is installed, it enables users to integrate the advantages of video into their every day lives.

### UNIQUE APPLICATIONS

Video-Payphone offers extremely versatile uses. Keep an eye on your home while you’re away, receive a short film, news or sports reports, and perform videosurveillance

### EASY TO USE

The videophone user interface is fully functional, with an easy-to-use keypad that enables video display of all parties in a conversation. Simple control keys increase and decrease volume. The display allows users to see any incoming call and prompts users when a paycard needs changing.

## FEATURES AT A GLANCE

- Conforms to H.320 ISDN and H.323 IP networks
- 64-128 kbps over ISDN
- 64-384 kbps over IP
- 15 fps frame rate
- Full-duplex with echo cancellation
- 1/4” CCD
- TFT 10” LCD Monitor
- Keypad Interface





## FIELD APPLICATIONS

### Telecom Organizations

Call IP or ISDN audio and video conferencing systems.

Reach POTS telephones and third generation mobiles.

Take advantage of interoperability in sophisticated networks between H.323, H.320, H.324 and UMTS.

### News and Entertainment

A veritable window on the world, the Aethra Video-Payphone enables users to receive short films, including the latest news and sports events

### Tourism and Business

Airports, railway stations, hotels, shopping malls, health centers and convention centers are ideal locations to install the Video-Payphone, providing both tourists and business travelers with immediate access to video communication.

### Communities Living Abroad

Connect those living, working and studying abroad with their families and friends by providing the opportunity to interact face-to-face

### Advertising

A revolutionary advertising tool: when not in use the screen can continually display advertising to catch the attention of passers-by Videosurveillance systems

Take action immediately when alerted by your videosurveillance system: call and check on the situation without traveling home.

## TECHNICAL SPECIFICATIONS

### SUPPORTED STANDARDS

ITU-T H.320: ISDN, networks  
ITU-T H.323: IP networks  
Video: H.261, H.263+  
Audio: G.711, G.722, G.728, G723.1  
MCU compatibility: H.243

### TRANSMISSION

Bit-Rate: 56÷128 kbps over ISDN  
64÷384 kbps over IP

### VIDEO

Frame Rate: 15 fps  
Video Resolution: FCIF 352x288 pixels  
QCIF 176x144 pixels  
4CIF 704x576 pixels  
for still images  
(Annex D or H.263)

### Audio Coding:

Audio Band	Bit rate
G.711 300 ÷ 3400 Hz	56 kbps
G.722 50 ÷ 7000 Hz	48/56 kbps
G.723.1 300 ÷ 3400 Hz	5.3/6.3 kbps
G.728 50 ÷ 3400 Hz	16 kbps

### AUDIO FEATURES

Echo Cancellation full-duplex  
Automatic Gain Control (AGC) ±12 dB  
Echo Return Loss Enhancement(ERLE):30 dB  
Automatic Noise Suppression

### NETWORK INTERFACES

ISDN  
1 BRI: 1RJ-45  
Ethernet  
10/100BASE-T: 1RJ-45

### BUILT IN INTERFACE

Keypad interface

### BUILT IN CAMERA

Sensor: CCD 1/4 inch  
Format: video composite  
Picture elements: 542 x 586 pixels  
Resolution: 380 TV lines  
Focal length: f=3,7 mm  
Iris: F=2.0  
Focus: manual  
White Balance: automatic  
Minimum illumination: 0.5 lux  
S/N: 52dB

### BUILT IN DISPLAY

Type: color TFT-LCD  
Size: 10"  
Resolution: 640x480 pixels

### BUILT IN SMART CARDS READER

Payment system based on prepaid smart cards  
Customizable charge rate

### USER INTERFACE

On-screen graphic user interface  
Contextual help  
Diagnostics and Management Functions  
Call Progress Monitoring

### WEB MANAGEMENT

All configuration, call, diagnostics and management functions are accessible using the web browsers: Microsoft® Internet Explorer™, Netscape Navigator™)

### REMOTE DIAGNOSTICS AND MANAGEMENT

	Local	Web Browser	SNMP
Self Test	Yes	Yes	Yes
Diagnostics	Yes	Yes	Yes
Configuration	Yes	Yes	Yes
Call	Yes	Yes	Yes
Error Tracking	Yes	Yes	Yes

### POWER SUPPLY

AC adapter: 12V/2A

### DIMENSION

•VIDEO-PAYPHONE  
Width: 35.5 cm (14")  
Height: 62 cm (24.4")  
Depth: 10 cm (4")

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