OVERVIEW

Theseus™ is an attractive, compactly designed videophone that affordably provides ISDN and IP-based videoconferencing to home offices and small businesses. With its rounded profile and cool modern design, the Theseus videophone has all the features and benefits you need in a reliable, all-in-one system.

MULTIPLE NETWORK CONNECTIVITY

Supports both ISDN and IP-based communications standards, fully conforming to the H.320 and H.323 international standards (with transmission rates up to 384 kbps over IP).

HIGH-QUALITY VIDEO

Features a high-resolution (960 x 234 pixels) rounded, 5” LCD video display for private discussions with top-quality images from any visual angle. A TV screen connection is also provided for applications requiring larger presentation. For video input, a built-in camera, with manual focus and automatic white balance, uses a 1/4” CCD sensor to capture business-quality, 15 fps video.

EXCELLENT SOUND REPRODUCTION

Provides large bandwidth and full-duplex hands-free audio with omnidirectional microphone, echo cancellation and Automatic Noise Suppression.

EASY TO INSTALL AND USE

On-screen contextual help and intuitive, non-intimidating graphical user interface ensure easy installation and use. The simple keypad and handset, plus address book dialing, make it easy to master right away, even for the most novice user. All remote diagnostics and management functions are accessible from web browsers.

FEATURES AT A GLANCE

- Supports ISDN and IP network connectivity
- Audio echo cancellation with full-duplex
- 5” (12,8 cm) color LCD
- TV screen and serial port connection
- T.120 multimedia support
- Document camera support
- Address book dialing
- Audio and video mute

OVERVIEW

Theseus™ is an attractive, compactly designed videophone that affordably provides ISDN and IP-based videoconferencing to home offices and small businesses. With its rounded profile and cool modern design, the Theseus videophone has all the features and benefits you need in a reliable, all-in-one system.

MULTIPLE NETWORK CONNECTIVITY

Supports both ISDN and IP-based communications standards, fully conforming to the H.320 and H.323 international standards (with transmission rates up to 384 kbps over IP).

HIGH-QUALITY VIDEO

Features a high-resolution (960 x 234 pixels) rounded, 5” LCD video display for private discussions with top-quality images from any visual angle. A TV screen connection is also provided for applications requiring larger presentation. For video input, a built-in camera, with manual focus and automatic white balance, uses a 1/4” CCD sensor to capture business-quality, 15 fps video.

EXCELLENT SOUND REPRODUCTION

Provides large bandwidth and full-duplex hands-free audio with omnidirectional microphone, echo cancellation and Automatic Noise Suppression.

EASY TO INSTALL AND USE

On-screen contextual help and intuitive, non-intimidating graphical user interface ensure easy installation and use. The simple keypad and handset, plus address book dialing, make it easy to master right away, even for the most novice user. All remote diagnostics and management functions are accessible from web browsers.
TECHNICAL SPECIFICATIONS

SUPPORTED STANDARDS
- ITU-T H.320 ISDN
- ITU-T H.323 IP networks
- Video H.261, H.263+, G723.1
- Audio G.711, G.722, G.728, G.723.1
- Data T.120
- MCU compatibility H.243

TRANSMISSION
- Bit rate 56 ÷ 128 kbps over ISDN
- 64 ÷ 384 kbps over IP

VIDEO
- Frame rate 15 frames per second
- Video resolution CIF 352 x 288 pixels
- QCIF 176 x 144 pixels
- 4CIF 704 x 576 pixels for still images (Annex D or H.263)
- Remote camera control
- H.281 (H.320)
- H.282/H.283 (H.323)

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 53/63 kbps
  - G.728 50 ÷ 3400 Hz 16 kbps
- Echo cancellation Full-duplex
- Echo Return Loss Enhancement (ERLE) 30 dB
- Automatic Gain Control (AGC) ±12 dB
- Automatic Noise Suppression

BUILT-IN CAMERA
- Sensor 1/4" CCD
- Format Video composite
- Picture elements 542 x 586 pixels
- Resolution 380 TV line
- Lens f=3.7 mm
- Iris F=2.0
- Focus Manual

BUILT-IN DISPLAY
- Type Color TFT-LCD
- Size 5"
- Resolution 960 x 234

NETWORK INTERFACES
- ISDN 1 BRI 1 RJ-45
- Ethernet 10/100BASE-T full-duplex 1 RJ-45

AUDIO/VIDEO INTERFACES
- Video input CVBS PAL/NTSC (RCA)
- Video output CVBS PAL/NTSC (RCA)
- Audio input Line (RCA)
- Audio output Line (RCA)

AUXILIARY INTERFACES
- Serial port RS232 (MINDIN 8P)

USER INTERFACE
- Multilingual on-screen graphic user interface
- User selectable languages: Italian, English, French, Spanish, German, Portuguese, Norwegian, Swedish, Chinese
- Contextual help
- Diagnostics and management functions
- Call progress monitoring

BUILT-IN HANDS FREE
- Electric omnidirectional microphone
- Speaker 8 ohm 1 Watt

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

REMOTE DIAGNOSTIC AND MANAGEMENT
- Local Self test Yes
- Web Browser Yes
- SNMP Yes
- Diagnostics Yes
- Configuration Yes
- Call Yes
- Error tracking Yes

POWER SUPPLY
- 100-240 Vac 50-60 Hz 0.45 A Max

DIMENSIONS
- THESEUS Width 26 cm (10.23’’)
- Height 10 cm (3.3’’) closed
- Depth 19 cm (7.8’’) open

Aethra SpA Telecommunications
via Matteo Ricci 10
60020 Ancona - Italy
Telephone +39.071.218981
Fax +39.071.887077
Video 1 +39.071.2189160
Video 2 +39.071.2189701
Email: info.aethra@aethra.com
www.aethra.com

Aethra, the Aethra logo and Theseus are trademarks, registered trademarks, or service marks of Aethra SpA Telecommunications in Italy, the United States, and/or other countries. All other company and product names may be registered trademarks or trademarks of their respective owners. Information furnished by Aethra SpA Telecommunications and Aethra, Inc. in this datasheet is believed to be accurate. Products sold and licensed by Aethra SpA Telecommunications and Aethra, Inc. are covered by warranty and patent indemnification provisions appearing in its purchase and license agreements. Aethra SpA Telecommunications and Aethra, Inc. reserve the right to discontinue production and change specifications and prices at any time without notice. Copyright ©2003 Aethra SpA Telecommunications - All rights reserved. Additional regional offices are located on our website: www.aethrusa.com. For further details about technical specifications please see “Products” on www.aethra.com