

# VOYAGER®



## Mobile

Robust, lightweight and compact - the solution for portable videoconferencing from virtually anywhere

## Complete

High-quality images over satellite or ISDN; high-quality audio with superior echo cancellation

## Practical

Ideal for reporters, journalists and anyone who must transmit visual information while on the go

## OVERVIEW

Aethra's Voyager® takes portability to the extreme. Voyager is the first complete videoconferencing system contained in a single, practical briefcase. It represents the ideal solution for anyone wishing to transmit and collaborate on visual information from virtually anywhere in the world. The Voyager system allows users to transmit audio, 30 fps video and data simultaneously over ISDN, dedicated lines and satellite networks (compatible with international standards).

### INTERNAL IMUX

With 384 bonded dialing, users call only the number of the initial ISDN line and the system automatically collects and dials the other sites at the same time and at the requested speed.

### BI-DIRECTIONAL DATA CHANNEL

Data is transmitted in both directions for easy collaboration.

### AUXILIARY INTERFACES

Built-in auxiliary input/output interfaces allow for expansion of the systems' features by connecting additional peripherals, including external monitor, microphone, loudspeakers, etc.

### EASY TO USE

On-screen contextual help and intuitive, non-intimidating graphical user interface make it simple to master right away, even for the most novice user.

## FEATURES AT A GLANCE

- Compatible with all international video communication standards for H.320 networks
- High-quality video over satellite connection or 3 ISDN lines at 384 kbps
- Full-duplex, hands-free audio with superior echo cancellation
- Included autofocus camera with 1/3" CCD sensor and 12x Zoom
- 6" TFT LCD monitor plus TV screen and serial port connection
- Supports T.120 for multimedia applications via PC
- Simple user interface with contextual help
- Call progress monitoring
- Weighs 16.6 lbs (7.5 kg)





**TECHNICAL SPECIFICATIONS  
SUPPORTED STANDARDS**

- ITU-T H.320 ISDN<sup>(\*)</sup>, leased networks<sup>(°)</sup>
- Video H.261, H.263
- Audio G.711, G.722, G.728
- Data T.120
- Proprietary protocol
- MCU compatibility H.243

**TRANSMISSION**

- Bit rate 56 ÷ 384 kbps over ISDN (\*)
- 56 ÷ 384 kbps over V.35/leased<sup>(°)</sup>
- Channel aggregation 384 kbps bonding

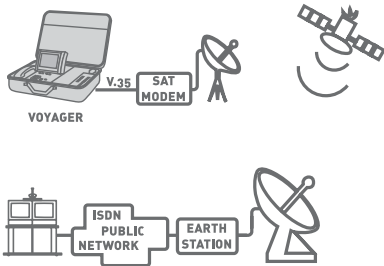
**VIDEO**

- Frame rate 30 frames per second
- Video resolution FCIF 352x288 pixels
- QCIF 176x144 pixels
- 4CIF 704x576 pixels
- for still images (Annex D)

**AUDIO**

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

- Echo cancellation Full-duplex
- Automatic Gain Control (AGC) ±12 dB
- Automatic Noise Suppression



**CAMERA**

- Sensor 1/3" CCD
- Format PAL or NTSC
- Picture elements 752 x 582 pixels
- Resolution 460 TV lines
- Lens f=5.4 mm to 64.8 mm
- Iris F=1.8 to 2.7
- Focus Automatic/Manual
- White balance Automatic
- Minimum illumination 7 lux
- S/N 48 dB
- Zoom 12x

**BUILT-IN DISPLAY**

- Type TFT-LCD
- Size 6"
- Resolution 756x556x3 (RGB)

**NETWORK INTERFACES**

- ISDN version(\*) 3 ISDN BRI 3RJ-45
- Leased version<sup>(°)</sup> Configurable interface G.703, X.21, V.35, RS366, RS530

**AUDIO/VIDEO INTERFACES**

- Audio inputs/outputs microtelephone
- Integrated "hands-free" system
- Video input
  - Main Composite (RCA)
  - Aux1 S-video (Mini-DIN)
  - Aux2 (VCR) Composite (SCART)
- Video output
  - Monitor Composite (RCA)
  - Aux1 (VCR) Composite (SCART)
- Audio input
  - Aux mic. Mic. (stereo jack 3.5 mm)
  - Audio In Line (RCA)
  - Aux1 (VCR) Line (SCART)
- Audio output
  - Aux1 Line (RCA)
  - Aux2 (VCR) Line (SCART)

**AUXILIARY INTERFACES**

- RS232 serial data 9-pin DB9
- RS232 serial diagnostics 9-pin DB9

**USER INTERFACE**

- On-screen user interface
- Contextual help
- All functions accessible with integrated keyboard
- Call progress monitoring

**ADDITIONAL FEATURES**

- ISDN line can be used to connect to an ISP for Internet access via external PC as an alternative to a videoconference session(\*)
- T.120 supported for multimedia applications by external PC
- ISDN basic telephone(\*)

**POWER SUPPLY**

- 115-230 Vac 50-60 Hz 1 A Max
- 12 Vdc 2.5 A

**DIMENSIONS**

- VOYAGER - VOYAGER/L
  - Width 49.5 cm (19.5")
  - Height 16 cm (6.3") briefcase closed
  - Depth 40.5 cm (16")
  - Weight 7.5 kg (16.6 lbs)

(\*) VOYAGER  
(°) VOYAGER/L

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