

aethra



NOVA COMPACT ROLLABOUT SYSTEM

Ideal for medium videoconference rooms, Nova, the latest development in the Aethra rollabout family, runs over ISDN and IP networks conforming to H.320/H.323 standards.

The elegant wheeled cabinet contains the core of the system and supports the monitor, allowing easy and effective handling. The ease of installation and friendly graphic interface make Nova extremely handy, even for less expert users. Due to its large, lightweight wheels and quick setup, it can be easily moved from one videoconference room to another in a matter of minutes.

The new Voice Tracking feature allows Nova to automatically track and frame the speaker. In addition, the camera with 9 presets, zoom and autofocus and high-speed pan&tilt can be locally and remotely controlled with the infrared control. Nova also supports the dual monitor feature.



TECHNICAL SPECIFICATIONS

SUPPORTED STANDARDS

- ITU-T H.320: ISDN, leased networks
- ITU-T H.323: IP networks
- Video: H.261, H.263
- Audio: G.711, G.722, G.728, G.723
- Data: T.120 115200 kbps rate
Proprietary protocol
- MCU compatibility: H.243

FEATURES

- Bit Rate: 56÷512 kbps over ISDN
56÷768 kbps over IP
56÷768 kbps over V.35

VIDEO FEATURES:

- Frame Rate: 30 fps
- Video Resolution: FCIF 352x288 pixels
QCIF 176x144 pixels
4CIF 704x576 pixels
for still images (Annex D)
- Camera remote control: H.281

AUDIO FEATURES:

- Audio Coding:

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
G.723	300÷3400 Hz 5.3/6.3 kbps
- Echo cancellation, Full Duplex
- Automatic Gain Control (AGC) ±12 dB
- Automatic Noise Suppression

DIGITAL MICROPHONE POD:

- Range: 360°
- Response: 50÷7000 Hz
- Microphones: 3
- Mute Button

MAIN CAMERA

- Type: 1/3" colour CCD
- High-speed powered camera (80°/sec.)
- Camera remote management in compliance with H.281 (H.320) standard
- 9 preset positions
- Audio tracking of the active speaker
- Localization: ±60° horizontal, ±25° vertical
- Useful distance: max 7 m, recommended 4 m

MONITOR

- PAL or NTSC format
- 28" single monitor
- PIP function

NETWORK INTERFACES

Basic Version:

- 1+3 ISDN BRI with integrated aggregator 4 RJ-45
- 2 Ethernet 10BASE-T 2 RJ-45
or V.35/RS366 44 pin 25 Hi/Den body
or G.703 2 micro BNC
or RS449/RS366 44 pin 25 Hi/Den body
or X.21 DB15
or RS 530 44 pin 25 Hi/Den body

INTERFACES

AUDIO/VIDEO INTERFACES

- Video Outputs:
 - Monitor 1: Composite (RCA)
Y/C (Mini-DIN)
 - Monitor 2: Y/C (Mini-DIN)
 - Aux1 (VCR): Composite (RCA)
- Video Inputs:
 - Main Camera: Integrated, not accessible
 - Aux1 (VCR): Composite (RCA)
 - Aux2 (Doc.Cam.): Y/C (Mini-DIN)
- Audio Inputs:

Connection	Level	Connector
– Microphone 360°	Mic	RJ-45
– Aux. Mic.	Mic	Stereo Jack 3,5mm
– Audio In	Line	RCA
– Aux1 (VCR)	Line	2RCA (L/R)
- Audio Outputs:

– Monitor1	Line	2 RCA (L/R)
– Aux1 (VCR)	Line	2 RCA (L/R)

AUXILIARY INTERFACES

- Data RS232: Mini-DIN 8-pin
- Diagnostics RS232: Mini-DIN 8-pin
- 9 pin DB 9 adapter cable included

USER INTERFACE

- On-screen graphic user interface
- All functions accessible with infrared control
- Contextual help
- Diagnostics and management functions
- Call Progress Monitoring

MULTI-POINT FUNCTION

- H.320 MCU integrated feature
 - 5 participants @ 2B - 128kbps - H.221/Bonding
 - 3 participants @ 4B - 256kbps - H.221/Bonding
- H.320 standard compliance
- Compatible with analog and mobile network
- Chair Control H.243.

WEB MANAGEMENT

All configuration, call, diagnostics and management functions can be accessed with Web Browser (Microsoft Internet Explorer, Netscape Navigator)

REMOTE DIAGNOSTICS AND MANAGEMENT

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

NOVA

Width: 78 cm
Height: 167 cm
Depth: 60 cm



AETHRA TELECOMMUNICATIONS - www.aethra.com

HEADQUARTERS

via Matteo Ricci, 10
60020 Ancona- Italy
Telephone: +39.071.218981
Fax: +39.071.887077
Video: +39.071.2189701/2/3/4
Email: mktg@aethra.com

OFFICES

Turin, Milan, Venice, Bologna,
Rome, Naples, Palermo, Miami,
Dubai, Beijing, Santiago, Lima, Paris

© Aethra Telecommunications - All rights reserved
With the right to modify characteristics