



# SUPERNOVA™ PRO 234 XGA



## Enriches Collaboration

Integrated, multi-standard MCU connects up to 7 sites with Continuous Presence feature

## Flexible

Complete system with monitor on an attractive rollabout stand for meeting rooms of any size

## Superior Audio and Video

Delivers rich, full-duplex sound with echo cancellation and automatic noise suppression

## OVERVIEW

Compact and convenient to maneuver, Supernova™ Pro 234 XGA integrates a complete videoconferencing system in a professional, sleek rollabout, making it ideal for large and medium-sized conferencerooms.

The integrated Multipoint Conferencing Unit (MCU) connects up to 7 sites in mixed mode (ISDN and IP), with convenient dial-out and dial-in (Meet Me) configuration. Continuous Presence feature enables participants at all sites to view one another simultaneously.

### MULTIPLE NETWORK CONNECTIVITY

Supports 768 kbps over ISDN BRI and 3 Mbps over IP; as well as connections up to 2 Mbps over ISDN PRI, or over leased lines (X.21, V.35, RS449, G.703).

### SIMULTANEOUS DUAL-STREAM VIDEO

Convenient XGA input and output ports provide one-step PC plug-in or LAN connection for simultaneous dual-stream video and live PC presentations with enhanced images.

### MULTIPOINT CONFERENCEING

The built-in MCU, with Continuous Presence feature, can connect up to 7 sites over ISDN and IP. Timesaving dial-out and dial-in (Meet Me) configuration easily enables participants to join conferences in progress.

### VOICE TRACKING PATENTED

Voice Tracking technology enables the camera to automatically track and frame the person who is speaking.

### CUSTOMISABLE GRAPHIC USER INTERFACE

The User is able to choose layouts and colours among various alternatives.

## FEATURES AT A GLANCE

- Complete system, including monitor, on a single, rollabout stand
- XGA input and output ports
- Simultaneous dual-stream video
- Integrated mixed mode MCU with Meet Me configuration
- Embedded PowerPoint® presentations
- Patented Voice Tracking camera
- Embedded web capabilities for remote management, diagnostics and software upgrades
- AES encryption standard (option)
- LDAP (Lightweight Directory Access Protocol)
- Audio, video and rate automatic adjustment
- Customisable GUI (Graphical User Interface)





## TECHNICAL SPECIFICATIONS

### SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- Video H.261, H.263+, H.264 H.239
- Audio G.711, G.722, G.728, G.723.1
- Data T.120
- LDAP H.350
- MCU compatibility H.243

### TRANSMISSION

- Bit rate 56 ÷ 768 kbps over ISDN 6 BRI  
56 ÷ 2 Mbps over ISDN PRI\*  
64 ÷ 3 Mbps over IP  
56 ÷ 2 Mbps over V.35/Leased lines
- \* in North America ISDN PRI/T1 at 1544 kbps (ANSI T1 recommendations)
- Simultaneous video motion coding and PC presentations from the XGA input

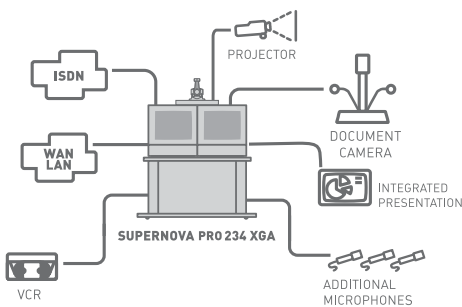
### VIDEO

- Frame rate 15 frames per second  
@ 56-128 kbps  
30 frames per second  
@ 168 kbps - 3 Mbps
- Video resolution 4CIF 704 x 576 pixels  
FCIF 352 x 288 pixels  
QCIF 176 x 144 pixels  
4CIF 704 x 576 pixels for still images (H.261 Annex D)  
Up to 1024 x 768 over XGA in H.263
- Camera remote control H.281 (H.320)  
H.282/H.283 (H.323)

### AUDIO

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

- Echo cancellation Full-duplex
- Adaptive post filtering
- Automatic Gain Control (AGC)
- Automatic Noise Suppression
- Bi-amplified bass treble loudspeaker 2x40 W



### AUDIO TRACKING

- Tracking Enhanced Voice Tracking
- Coverage max. 7 m, recommended 4 m
- Location ±60° horizontal, ±25° vertical

### DIGITAL MICROPHONE POD

- Range 360°
- Response 50 ÷ 7000 Hz
- Microphones 3
- Mute button
- Up to 2 pods in a daisy-chain configuration

### CAMERA

- Resolution 752 x 582 pixels
- Presets 122 presets
- H. angle of view 6.6 to 65 degrees
- Zoom 40x (10x optical + 4x digital)

### MONITOR

- TV set 34" – 50Hz
- Format PAL or NTSC
- Dual monitor, VGA
- PIP function

### NETWORK INTERFACES

- ISDN 6 BRI with integrated channel aggregator 6 RJ-45  
1 E1/T1 PRI with integrated channel aggregator 1 RJ-45
- Ethernet 2-Port 10/100BASE-T full-duplex with integrated switch Ethernet 2 RJ-45
- Leased networks X.21/V.35/RS366/RS449/RS530 44 pin Hi/Den  
G.703 1 RJ-45  
Wi-Fi wireless interface 802.11b (option)

### AUDIO/VIDEO INTERFACES

- Video inputs
 

Main	S-video (Mini-DIN)
3xAux	Composite (BNC)
3xDoc. Cam.	S-video (Mini-DIN)
XGA In	DB15 Hi/Den
- Video outputs
 

Monitor 1	Composite (BNC)
	S-video (Mini-DIN)
Monitor 2	Composite (BNC)
	S-video (Mini-DIN)
VCR	Composite (BNC)
XGA Out	S-video (Mini-DIN)
	DB 15 Hi/Den
- Audio inputs
 

Connection	Level	Connector
2xPod mic. 360°	Dig.	RJ-11 6/6
3xAux. mic.	Mic.	XLR
3xAudio In	Line	RCA
- Audio outputs
 

Connection	Level	Connector
4xAudio Out	Line	RCA

### AUXILIARY INTERFACES

- PAN&TILT DB9
- Data RS232 DB9
- Diagnostics RS232 DB9
- VISCA RS232 Mini-DIN 8-pin
- supports Canon or Sony, aux PTZ camera
- PC card 1 PCMCIA, type II for Wi-Fi card

### USER INTERFACE

- Multilingual on-screen graphic user interface
- User selectable languages: Italian, English, French, Spanish, German, Portuguese, Norwegian, Swedish, Chinese
- Infrared remote control for full function control
- Contextual help
- Diagnostics and management functions
- Call progress monitoring
- Supports AMX™ or Crestron™ touch panels
- Customisable Graphical User Interface

### MULTIPOINT FUNCTION

- Integrated MCU H.320 and H.323 mixed mode  
@256 kbps  
5 participants @384 kbps  
4 participants @512 kbps  
3 participants @768 kbps
- Compatible with analog and mobile networks
- Video coding H.261, H.263+
- Audio coding G.711, G.722, G.728
- Chair control H.243
- Dial-In/Dial-Out capabilities
- Continuous Presence

### WEB MANAGEMENT

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

### ENCRYPTION

- AES encryption standard (option)

### 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

### INTEGRATED PRESENTATION

- Supported applications Microsoft® PowerPoint®
- Multimedia support T.120

### POWER SUPPLY

- 110-120 Vac 60Hz 8 A Max
- 220-240 Vac 50Hz 4 A Max

### DIMENSIONS

- SUPERNOVA PRO 234  
Width 216 cm (85")  
Height 191 cm (75")  
Depth 74 cm (29")

### 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](mailto:info.aethra@aethra.com)  
[www.aethra.com](http://www.aethra.com)

### Aethra, Inc.

701 Brickell Avenue  
Suite 1390  
Miami, FL 33131 USA  
Telephone +1.305.375.0010  
Toll Free (US only) 1.888.4.AETHRA  
Fax +1.305.375.0655  
Video +1.305.577.3524  
Email: [info.na@aethra.com](mailto:info.na@aethra.com)