

# NOVA™ XM SILVER DUAL NOVA™ SILVER



## Enriches Collaboration

Built-in mixed mode MCU with Continuous Presence enables expedient communication and collaboration

## Flexible

Complete system with integrated monitors on a rollabout stand for meeting rooms of any size

## Reliable

Excellent audio coding and professional camera ensure natural and free-flowing conversation

## OVERVIEW

The Dual Nova™ Silver features two side-by-side 29" monitors in one single, attractive and convenient rollabout, while the Nova XM Silver has a single 29" monitor. They are ideal for conference rooms thanks to a number of advanced features.

### MULTIPLE NETWORK CONNECTIVITY

Supports ISDN (H.320) and IP-based (H.323) communications standards, as well as optional leased or satellite connections.

### MULTIPOINT CONFERENCING

The built-in mixed mode MCU can connect up to 5 sites with video or audio-only in mixed mode, with dial-out and dial-in (Meet Me) configuration.

### VOICE TRACKING

This patented technology enables the camera to automatically track and frame the person who is speaking.

### EASY TO UPGRADE

Flexible, simple architecture enables easy re-configuration of the system. Ready to upgrade simply by adding different cards.

## FEATURES AT A GLANCE

- Complete system, including two 29" monitors on a single rollabout stand for Dual Nova Silver or single 29" monitor for Nova XM Silver
- XGA input and output ports
- Simultaneous dual-stream video
- Embedded PowerPoint® presentation
- Patented Voice Tracking technology
- Mixed mode MCU with dial-out/dial-in configuration up to 5 sites
- PTZ camera and document camera support
- Remote diagnostics and management
- AES encryption standard (option)



### TECHNICAL SPECIFICATIONS SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- Video H.261, H.263+, H.264\*  
\* with Release 5.0
- Audio G.711, G.722, G.728, G723.1
- Data T.120
- MCU compatibility H.243

### TRANSMISSION

- Bit rate 56 ÷ 512 kbps over ISDN  
64 ÷ 2 Mbps over IP  
56 ÷ 2 Mbps over V.35/leased

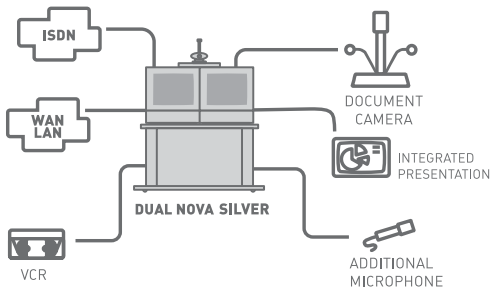
### VIDEO

- Frame rate  
15 frames per second @ 56-128 kbps  
30 frames per second @ 168 kbps-2 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 pixels  
over XGA in H.263
- Remote camera 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



### AUDIO TRACKING

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

### DIGITAL MICROPHONE POD

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

### CAMERA

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

### MONITOR

- Double TV set 29" 100Hz for Dual Nova Silver
- Single TV set 29" 100Hz for Nova XM Silver
- PAL or NTSC standard
- PIP function

### NETWORK INTERFACES

- ISDN  
4 BRI ISDN with integrated  
channel aggregator 4 RJ-45
- Ethernet  
2-Port 10/100BASE-T full-duplex  
with integrated switch Ethernet 2 RJ-45
- Optional  
Leased networks (substituting 3 BRI)  
V.35/RS449/RS530/RS366/X.21 44pin Hi/Den  
Wi-Fi wireless interface 802.11b

### AUDIO/VIDEO INTERFACES

- Video inputs  
Main camera S-video (Mini-DIN)  
VCR Composite (RCA)  
Doc.Cam.1 S-video (Mini-DIN)  
Doc.Cam.2 S-video (Mini-DIN)  
Doc.Cam.3 Composite (RCA)  
XGA In DB15 Hi/Den
- Video outputs  
Monitor 1 Composite (RCA)  
S-video (Mini-DIN)  
Monitor 2 S-video (Mini-DIN)  
with monitor detect  
Composite (RCA)  
VCR Composite (RCA)  
XGA Out DB 15 Hi/Den
- Audio inputs  
Connection Level Connector  
2xPod mic. 360° Dig. RJ-11 6/6  
Aux. mic. Mic. Stereo jack 3.5mm  
Audio In Line Line RCA  
VCR Line Line 2 RCA (L/R)
- Audio outputs  
Connection Level Connector  
Monitor1 Line Line 2 RCA (L/R)  
VCR Line Line 2 RCA (L/R)

### AUXILIARY INTERFACES

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

### 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
- Infrared remote control for full-function control
- Supports AMX™ or Crestron™ touch panels

### MULTIPOINT FUNCTION

- Integrated MCU H.320 and H.323  
mixed mode  
5 participants @ 128 kbps  
5 participants @ 256 kbps  
4 participants @ 384 kbps  
3 participants @ 512 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

### ENCRYPTION

- AES encryption standard (option)

### WEB MANAGEMENT

All configuration, call, diagnostics and management functions are accessible using the following 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	
Error tracking	Yes	Yes	Yes

### INTEGRATED PRESENTATION

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

### POWER SUPPLY

- 110-120 Vac 60 Hz 4 A Max
- 220-240 Vac 50 Hz 2 A Max

### DIMENSIONS

- DUAL NOVA SILVER  
Width 150 cm (60")  
Height 184 cm (72.5")  
Depth 76 cm (30")
- NOVA XM SILVER  
Width 116 cm (46")  
Height 184 cm (72.5")  
Depth 76 cm (30")

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