

electra

HD Rollabout for Telepresence



Elegant and Stylish Design

Electra is a "must have" professional video conferencing system offering the latest HD technology, designed by renowned Italian studio aMDL.

Flexible

Complete system with a 50" plasma monitor on an attractive rollabout stand for meeting rooms of any size.

Enriches Real-time Collaboration

The integrated, multi-standard MCU concurrently connects up to 9 locations with "Continuous Presence" feature.



High quality design from leading Italian design studio Michele De Lucchi.

Elegant Coloured Leather Covers

6 off-the-rack colours - Amaranto, Ebony, Sorrento Lime, Grey Pearl, Navy, Ivory White - add elegance and prestige to your offices and meeting rooms. Available on request, covers in any material or colour to satisfy all style requirements.

Wideband Audio

The sharpest High Definition video quality enhanced by the immersive sensation of wideband audio at 14-kHz (ITU and ISO).

Multiple Network Connectivity

Supports 768 kbps over ISDN BRI and 4 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).

Multipoint Conferencing

The mixed mode IP-ISDN MCU (Multipoint Conferencing Unit), can connect up to 9 locations in audio-only or audio-video mode with video quality available in High Definition (720p).

Supported Standards

- ITU-T H.320 ISDN
- ITU-T H.323 IP networks
- IETF-SIP (RFC3261) H.263, IP networks
- PPPoE
- Video H.261, H.263, H.263+, H.263+, H.264, H.239, H.241, G.711, G.728, G.722, G.722.1, G.722.1 Annex C, MPEG4 AAC-LD
- Audio T.120, H.350
- Data LDAP
- MCU compatibility H.243, H.231

Transmission

- Bit rate 56 kbps ÷ 768 kbps over ISDN BRI (1) 56 kbps ÷ 2 Mbps over ISDN PRI (2)(**) 64 kbps ÷ 4 Mbps over IP (H323/SIP) Asymmetric rates 56 kbps ÷ 2 Mbps over V.35/Leased (2)
- Simultaneous video motion coding and PC presentations from the XGA input (1) 384 ÷ 768 kbps with hw option external XLNA module (2) With external XLNA module (***)in North America ISDN PRI/T1 at 1544 kbps (ANSI T1 recommendations)

Video

- Frame rate 15 frames per second @ 56 kbps - 128 kbps 30 frames per second @ 168 kbps - 4 Mbps
- Fields 60 fields per second @ 384 kbps - 4 Mbps
- Video resolution 720p 1280 x 720 pixels 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) 4SIF 704 x 480 pixels SIF 352 x 240 pixels QSIF 176 x 120 pixels 4SIF 704 x 480 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.323)

Audio

Audio	Band	Bit rate
G.711	300 ÷ 3400 Hz	48/56/64 kbps
G.728	50 ÷ 3400 Hz	16 kbps
G.722	50 ÷ 7000 Hz	48/56/64 kbps
G.722.1	50 ÷ 7000 Hz	24/32 kbps
G.722.1 Annex C	50 ÷ 14000 Hz	24/32/48 kbps
AAC-LD	50 ÷ 14000 Hz	48/56/64 kbps

- Echo cancellation Full-duplex
- Adaptive post filtering
- Automatic Gain Control (AGC)
- Automatic Noise Suppression

Hi-Band Digital Microphone Pod

- Range 360°
- Response 50 ÷ 14000 Hz
- Microphones 3
- Mute button
- Up to 2 pods in a daisy-chain configuration

External HD Camera

- Resolution 1280 x 720 pixels
- Presets 122 presets
- H. angle of view 8 to 70 degrees
- PAN ± 100°
- TILT ± 25°
- Zoom 10x (optical)

Supported Monitor

- Format PAL, NTSC, HighDef
- Single, Dual monitor, HighDef
- PIP and PAP function
- 16:9
- Dual Monitor Emulation

Network Interfaces

- Basic version Ethernet 2-Port 10/100BASE-T full-duplex with integrated switch Ethernet 2 RJ-45 ISDN 3 BRI with integrated channel aggregator 3 RJ-45
- Optional Network Module: IDC type connector to connect the Xline Network Adapter ISDN 6 BRI with integrated channel aggregator 6 RJ-45 or 1 E1/T1 PRI with integrated channel aggregator 1 RJ-45 or Leased networks X.21/V.35/RS366/RS449 44 pin Hi/Den 1 RJ-45 or G.703

Network Protocols

- TELNET, HTTP, SNMP, DNS, DHCP, RTP/RTCP, TCP/UDP, ARP, STUN, SNT, FTP

Network Features

- Differentiated Service (DIFFSERV), IP Precedence, IP Type of Service (ToS), Auto Gatekeeper Discovery, Clever Packets Management (AeCPM)

IPv6 support

- Dual Stack IPv4 and IPv6 simultaneous support

Firewall Traversal

- Auto NAT discover HTTP and STUN
- H.460.18 H.460.19
- "Keep Alive Packet" time configurable

Audio/Video Interfaces

- Video inputs Aux In Composite (RCA) Doc. Cam. 1 S-video (Mini-DIN) Doc. Cam. 2 S-video (Mini-DIN) Doc. Cam. 3 Composite (RCA) XGA In DVI-I 2xHD High Definition Cameras

Video outputs

- Monitor 1 Composite (RCA) S-video (Mini-DIN) S-video (Mini-DIN) with monitor detect
- Monitor 2 Composite (RCA) DVI-I

Audio inputs

- Connection Level Connector 1xPod mic. 360° Dig. RJ-11 6/6 Aux. mic. Mic Stereo jack 3.5 mm Audio In Line RCA Aux In Line 2 RCA (L/R)

Audio outputs

- Connection Level Connector Monitor 1 Line 2 RCA (L/R) Aux Out 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

Closed Captioning/Text Chat

- T.140 text chat, available from Web

Interoperability

- Microsoft® Office Communicator 2007

User Interface

- Multilingual on-screen graphic user interface
- User selectable languages: Italian, English, French, Spanish, German, Portuguese, Norwegian, Swedish, Russian, Czech, Arabic, Hungarian, Polish, Finnish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Turkish
- Infrared remote control for full function control
- Contextual help
- Diagnostics and management functions
- Call progress monitoring
- Supports AMX™ or Crestron™
- Customizable Graphic User Interface
- Web streaming function: UNICAST and MULTICAST compatible with QuickTime™
- Security mode (sw option)

Multipoint Function (option)

- Integrated MCU H.320, H.323 and SIP mixed mode @ 256 kbps 9 participants @ 384 kbps 7 participants @ 512 kbps 6 participants @ 768 kbps 5 participants @ 1 Mbps 4 participants
- Compatible with analog and mobile networks
- Video coding H.261, H.263, H.263+, H.263+, H.264
- Audio coding G.711, G.722, G.722.1, G.728 H.243
- Chair control
- Dial-In/Dial-Out capabilities
- Continuous Presence
- Encryption
- H.239 Dual-video from any site
- Desktop Connectivity (optional)

Security

- AES encryption standard H.233, H.234, H.235, H.235 Annex D
- NIST (National Institute of Standards & Technology) certified

Web Management

All the 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	Yes
Error tracking	Yes	Yes	Yes

Integrated Presentation

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

Power Supply

- 220-240 Vac 50Hz 4 A Max

Dimensions

ELECTRA	
Width	134 cm (52.8")
Height	186 cm (73.3")
Depth	73 cm (28.8")

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