

athena®

Multimedia Modular Rollabout



Versatile

Athena is a professional video conferencing system suitable for conference rooms of any size with the added advantage of interchangeable modules

Superior Quality Audio and Video

High quality audio and video coding guarantees flawless conversation and excellent visual communication

Elegant and Stylish Design

Thanks to the exclusive design created by Michele De Lucchi, Athena transforms any space into an elegant professional video communications environment



Versatile, flexible, light-weight: specifically created with a system of interchangeable modules, Athena satisfies the requirements of each individual client. From the selection of set tops and monitors, to the choice of materials and colours, Athena offers the possibility to create an exclusive video communications environment, where high-technological content is exalted by elegant design from the architectural studio aMDL.

Customizable

Available in a variety of versions according to the size of the monitor and type of integrated system (SD or HD), Athena provides the opportunity to customize your video communication environment by combining material and colours to suit individual taste and style.

Real-time Collaboration

Thanks to the "Continuous Presence" function, Athena can connect up to 9 sites in mixed mode (IP and ISDN) depending on the type of MCU (Multipoint Conferencing Unit) integrated in the codec chosen for the system.

User Interface

Multi-lingual GUI with user selectable graphic layout and colour choice.



Supported set-top and codecs

- Vega X3/X5/X7
- Vega X7r

	Type of System	Voice Tracking	Network interfaces	Audio/Video interfaces	MCU*
Vega X3	SD	no	2xLAN; 1BRI; max 4 BRI	4 video; 5 audio	up to 4 sites
Vega X5	SD	yes	2xLAN; 3BRI; max 6 BRI or 1PRI or Leased	10 video; 7 audio	up to 9 sites
Vega X7	HD	no	2xLAN; max 6BRI or 1PRI or Leased	13 video; 9 audio	up to 9 sites
Vega X7r	HD	no	2xLAN; 3BRI; max 6 BRI or 1PRI or Leased	13 video; 9 audio	up to 9 sites

* Option

Monitor

- Possibility to integrate various models of Monitor, from 32" up to 52"
- Dual monitor 32"
- PAL or NTSC format
- PIP and PAP functions

Supported standards

- ITU-T H.320 IDSN
- ITU-T H.323 IP networks
- IETF-SIP (RFC3261) IP networks
- PPPoE
- Video H.261, H.263, H.263+, H.263++, H.264, H.239, H.241
- Audio G.711, G.728, G.722, G.722.1, G.722.1 Annex C (v11), MPEG4 AAC-LD
- Data T.120
- LDAP H.350
- MCU compatability H.243, H.231

Video

- Frame rate 15 fps @ 56 - 128 kbps
30 fps @ 168 kbps - 4 Mbps
@ 384 kbps - 4 Mbps
- Fields 60 fields per second
@ 384 kbps - 4 Mbps
- Video resolution 720p 1280 x 720 pixels (only with X7/X7r)
4CIF 704 x 576 pixels
FCIF 352 x 288 pixels
QCIF 176 x 144 pixels
4CIF 704 x 576 pixels for still images (Annex D H.261)
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
H.281 (H.320 - H.323)
- Remote camera control

Audio

- | | | |
|-----------------|---------------|---------------|
| Audio | Band | Bit rate |
| G.711 | 300 ÷ 3400 Hz | 48/56/64 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 |
| G.728 | 50 ÷ 3400 Hz | 16 kbps |
| AAC-LD | 50 ÷ 14000 Hz | 48/56/64 kbps |

- Echo cancellation Full-duplex
- Automatic Gain Control (AGC)
- Automatic Noise Suppression
- Adaptive post filtering
- 2 loudspeakers 7W RMS

Network Protocols

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

Interoperability

- Microsoft® Office Communicator 2007

User Interface

- Multilingual on-screen graphic user interface: 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™
- Graphic user interface with user selectable layout and colour choice
- Web streaming function: UNICAST and MULTICAST compatible with QuickTime™
- Security mode (sw option)

Closed Captioning / Text Chat

- T.140 text chat, available from Web

Multipoint Function (option)

- Integrated MCU H.320, H.323 and SIP mixed mode
- 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
- Chair control H.243
- 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
- NIST Certified (National Institute of Standards & Technology)

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

Dimensions

- ATHENA

Width	90 cm (35.4")
Height	90 cm (35.4")
	(excluding monitor and camera)
Depth	70 cm (27.6")

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