

vega® x1

Entry-level Set-top



aethra®
keep connected™

Compact

The best solution for small or home offices and small businesses

Entry level

The entry level solution with high audio and video quality and the best Italian design

Easy to use

Easy and immediate features for a high-quality videoconferencing



Vega® X1 is the entry-level set-top, designed by the Paolo Villa Studio, ideal for SOHO - Small Office Home Office - environments. Completely interoperable with Unified Communication platforms, it guarantees professional performance over IP (2Mbps) and ISDN networks for high-quality videoconferencing.

Supports multiple networks

Available for connections up to 128 kbps over ISDN BRI* and 2Mbps over IP, both for H.323 or SIP networks.

Multi languages

Supports 19 different languages including Chinese, Korean, Japanese, Arabic.

The solution for Unified Communication

Interoperable with Microsoft® Office Communications 2007, it is the best price-performance ratio solution for Unified Communication.

Italian design

Italian design and use of eco compatible materials make it a elegant and environmentally friendly system.

* with software option

vega® X1

Technical Specifications



Supported Standards

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

Transmission

- Bit rate 56 kbps ÷ 128 kbps over ISDN BRI*
64 kbps ÷ 2 Mbps over IP (H323/SIP),
Asymmetric rates

(*) With sw option

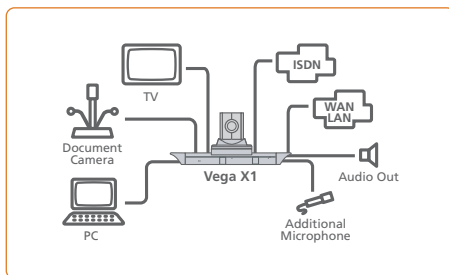
Video

- Frame rate 15 fps @ 56 kbps - 128 kbps
30 fps @ 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)
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)
- 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 Minipod

- Range Cardioid 120°
- Response 50 ÷ 14000 Hz
- Microphones 1
- Mute button

Built-in Camera

- Resolution 752 x 582 pixels
- Presets 122 presets
- H. angle of view 6.4 to 65.5 degrees
- Zoom 10.5x
- Min. Lux 1.5

Supported Monitor

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

Network Interfaces

- Basic version Ethernet 10/100BASE-T full duplex 1 RJ-45
- Optional ISDN 1 BRI with integrated channel aggregator 1 RJ-45

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

Main camera	Integrated Y/C, not accessible
Aux	Composite (RCA)
- Video outputs

Monitor	Composite (RCA)
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- Audio inputs

Connection	Level	Connector
Pod mic.	Dig.	RJ-11 6/6
Aux. mic.	Mic	Stereo jack 3.5 mm
Audio In	Line	RCA
- Audio outputs

Connection	Level	Connector
Monitor	Line	RCA
Aux	Line	Stereo jack 3.5 mm

Auxiliary Interfaces

- Data & Diagnostics RS232 Mini-DIN 8-pin with DB9 adapter
- VISCA RS232 Mini-DIN 8-pin supports Canon or Sony, aux PTZ camera

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, Czechoslovakian, 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)

Encryption

- 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

- 100-240 Vac 50-60 Hz 1.8 A Max

Dimensions

- VEGA X1

Width	39 cm (15.3")
Height	18,5 cm (7.3")
Depth	20,5 cm (8")

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