

# 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

### 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
- 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 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    |

- 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

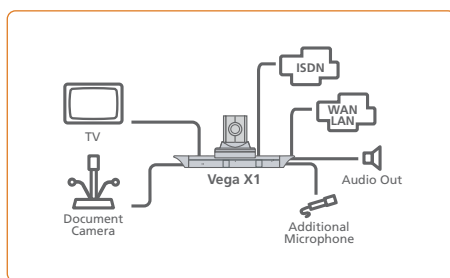
### Power Supply

- 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")



### AETHRA® SpA

via Matteo Ricci, 10  
60126 Ancona (Italy)  
Telephone +39.071.218981  
Fax +39.071.887077  
Video 1 +39.071.2189704  
Video 2 +39.071.2189701

Beijing Hong Kong London Madrid  
Mexico City Paris Miami São Paulo  
Shanghai Shenzhen

Email: info.aethra@aethra.com  
**www.aethra.com**