

Video communication system

# VEGA<sup>®</sup> PRO S

## Compact

The portable set-top solution that can be used with any TV monitor

## Affordable

The most cost-effective solution for small or home offices and small businesses

## Effective

Cutting-edge audio and video technology offers clear sound and brilliant images



Aethra's Vega<sup>®</sup> Pro S the ideal entry-level set-top for SOHO users, guarantees professional performance and can use ISDN and IP 768 kbps networks for high-quality videoconferencing using H.264 video coding.

## Supports Multiple Networks

Conforms with ISDN (128 kbps) and IP (768 kbps) networks for high-quality videoconferencing.

## Open Platform

Provides an open platform for connection to a variety of audio and video devices, including any TV monitor and document camera.

## Superior video quality

H.264 support for high quality video over lower bandwidth.

## Embedded SIP Protocol

SIP protocol support for convenient integration with IP networks.

## Custom Graphic User Interface

The user is able to choose layouts and colours among various alternatives.

## 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.264
• Audio	G.711, G.728, G.722, G.722.1
• Data	T.120
• LDAP	H.350
• MCU compatibility	H.243

### Transmission

- Bit rate 56 kbps ÷ 128 kbps over ISDN  
64 kbps ÷ 768 kbps over IP (H323/SIP)

### Video

- Frame rate Tx/Rx 30 frames per second
- Video resolution
  - FCIF 352 x 288 pixels
  - QCIF 176 x 144 pixels
  - 4CIF 704 x 576 pixels for still images (H.261 Annex D)
  - 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

### Built-in Camera

- Pan, Tilt and Zoom Motorized
- Zoom 40x (10x optical + 4x digital)
- Sensor 1/4" Super HAD CCD
- Format PAL or NTSC
- Picture elements 752 x 582 pixels
- Resolution 460 TV lines
- Lens f=3.1 to 31
- Iris F=1.8 to 2.9
- Focus Auto
- White balance Automatic

### Network Interfaces

- ISDN
  - 1 BRI 1 RJ-45
- Ethernet
  - 10/100BASE-T full-duplex 1 RJ-45

### Audio/Video Interfaces

- Video inputs
  - Main CVBS PAL/NTSC (RCA)
  - Aux CVBS PAL/NTSC (MINDIN 8P)
- Video outputs
  - Main CVBS PAL/NTSC (RCA)
  - Aux CVBS PAL/NTSC (MINDIN 8P)
- Audio inputs
 

Connection	Level	Connector
Mic.		Stereo jack 3.5mm
Audio in	Line	RCA
- Audio outputs
 

Connection	Level	Connector
Loudspeaker	Line	Stereo jack 3.5mm (Stereo to 2 RCA Y-Cable included)
Audio Out	Line	RCA

### Auxiliary Interfaces

- RS232 serial data 9-pin DB9
- Camera control MINDIN 8P

### Closed Captioning/Text Chat

- T.140 text chat, available from Web

### User Interface

- Multilingual on-screen graphic user interface
- User selectable languages: Italian, English, French, Spanish, German, Portuguese, Norwegian, Swedish, Russian, Czechoslovakian, Hungarian, Polish, Finnish, Simplified Chinese, Traditional Chinese, Japanese, Korean
- Infrared remote control for full function control
- Contextual help
- Diagnostics and management functions
- Call progress monitoring
- Customizable Graphic User Interface

### Encryption

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

### 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	Yes
Error tracking	Yes	Yes	Yes

### Integrated Presentation

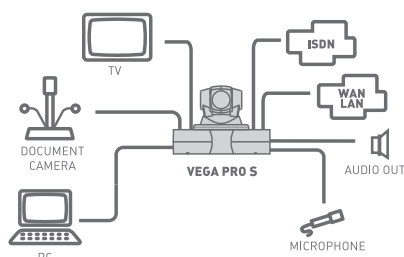
- Supported applications Microsoft® PowerPoint®

### Power Supply

- 100-240 Vac 50-60 Hz 0.45 A Max

### Dimensions

- VEGA PRO S
  - Width 20 cm (8")
  - Height 18 cm (7.1")
  - Depth 20 cm (8")



### AETHRA® SpA

via Matteo Ricci, 10  
60020 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](mailto:info.aethra@aethra.com)  
[www.aethra.com](http://www.aethra.com)