

# VEGA® E4

## Highest Quality

Crystal clear audio and superior video quality at 2 Mbps

## Enhances Collaboration

Aethra Collaborative Tools for PC presentation and data sharing

## Convenient

Fully featured set-top solution with embedded DVI/XGA ports and PC monitor doubling



Vega® E4 is a high-performance system at the cutting-edge of table-top systems.

It is ideal for small or medium group of people in a videoconferencing sessions that require enhanced audio and video quality.

Easy to use thanks to the user friendly GUI managed by the new "one-touch" remote control.

## Supports Multiple Connectivity

Available in several versions: for connections up to 512 kbps over ISDN BRIs (with optional external adapter) and 2 Mbps over IP (H.323 and SIP).

## PC Monitor doubling

Convenient XGA input provides one-step PC plug-in allowing Vega E4 to be used as a standard PC monitor thus saving space on desk

## Live Collaboration & Multipoint Capabilities

Presentation sharing could not be more straightforward thanks to H.239 / Dual Stream video support (option) also in multipoint thanks to the embedded MCU (option) providing connectivity for up to 4 sites.

## Customizable Graphic User Interface

The user is able to choose layouts and colours from a variety of alternatives.

## Technical Specifications

### Supported Standards

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

### Transmission

• Bit rate	56 kbps ÷ 128 kbps over ISDN BRI Up to 512 kbps (4 BRIs) with optional external adapter 64 kbps ÷ 2 Mbps over IP (H323/SIP), Asymmetric rates
• Simultaneous video motion coding and PC presentations from the DVI/XGA input	

### 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) Up to 1024 x 768 pixels over XGA in H.263
• Remote camera control	H.281 (H.320 - H.323)
• Video format	NTSC/PAL

### 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
AAC-LD	50 ÷ 14000 Hz	48/56/64 kbps

- Echo cancellation Full-duplex
- Adaptive post filtering
- Automatic Gain Control (AGC)
- Automatic Noise Suppression
- Display
  - 19" wide, 16:9 aspect ratio
  - HD resolution (1280 x 720p)
  - Dual Monitor emulation
  - PIP and PAP
  - Alternative use of display as PC monitor
  - Built-in stereo speakers for PC audio
  - Embedded PAL TV tuner

### Hi-Band Digital Microphone Minipod

• Range	Cardioid 120°
• Response	50 ÷ 14000 Hz
• Presets	1
• Mute button	

### Built-in Camera

• Resolution	up to 440,000 effective pixels
• Presets	122 presets
• H. angle of view	4.9 to 46.5 degrees
• Zoom	10x optical

### Network Interfaces

• Basic version	
ISDN	
1 BRI with integrated channel aggregator	1 RJ-45
Ethernet	
2-Port 10/100BASE-T full-duplex with integrated switch	2 RJ-45

- External module providing 4 BRIs

### Network Protocols

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

### Network Features

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

### Audio/Video Interfaces

• Video inputs		
Main camera	Integrated Y/C, not accessible	
Aux	Composite (RCA)	
XGA In	DVI_I	
• Video outputs		
Monitor	Composite (RCA)	
• Audio inputs		
Connection	Level	Connector
Pod mic. 360°	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

### XGA/DVI Input

- VGA, SVGA, XGA, WXGA, SXGA

### 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

### 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
- Supports AMX™ or Crestron™
- Customizable Graphic User Interface
- Web streaming function: UNICAST and MULTICAST compatible with QuickTime™

### Multipoint Function (option)

- Integrated MCU H.320, H.323 and SIP mixed mode
- 3+1 participants @ 384 kbps
- Compatible with analog and mobile networks
- Video coding H.261, H.263 ++
- 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

### Encryption

- AES encryption standard H.233, H.234, H.235
- 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	
Error tracking	Yes	Yes	Yes

### Integrated Presentation

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

### Power Supply

- 100-240 Vac 50-60 Hz 1.5 A Max

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