

High-quality set-top

# VEGA<sup>®</sup> X3

#### 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 support for 2 monitors



Vega<sup>®</sup> X3 is a high-performance system at the cutting-edge of set-top technology. 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 BRI and 2 Mbps over IP; both for H.323 or SIP networks.

#### Simultaneous Dual-Stream Video

Convenient XGA input and output ports provide one-step PC plug-in for simultaneous dual-stream video and live PC presentations with enhanced images.

#### Wideband audio

The first system to support both 14-kHz (ITU and ISO) wideband audio codecs adopted in videoconferencing.

#### Customizable Graphic User Interface

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

\* 128 kbps on board; up to 512 kbps by near off X Line Network Adapter

## 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 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 compatibility	H.243

### Transmission

• Bit rate	56 kbps ÷ 512*kbps over ISDN BRI 64 kbps ÷ 2 Mbps over IP (H323/SIP), Asymmetric rates
• Simultaneous video motion coding and PC presentations from the DVI/XGA input	
* 128 kbps on board; up to 512 kbps with X Line Network Adapter	

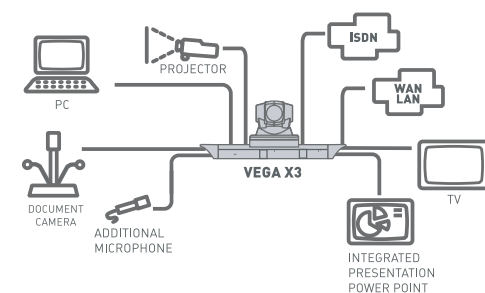
### Video

• 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 480 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)

### 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	6.6 to 65 degrees
• Zoom	40x (10x optical + 4x digital)

### Supported Monitor

• Format	PAL, NTSC, HighDef
• Single, HighDef	
• PIP and PAP function	
• 16:9	
• Dual Monitor Emulation	

### Network Interfaces

• Basic version	
Ethernet	
2-Port 10/100BASE-T full-duplex with integrated switch Ethernet	2 RJ-45
• Optional	
ISDN	
1 BRI with integrated channel aggregator	1 RJ-45
Network Module	IDC Type Connector to connect the X Line Network Adapter

### 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. mic.	Composite (RCA)	
XGA In	DVI-I	
• Video outputs		
Monitor	Composite (RCA)	
XGA Out	DVI-I	
• 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

### HighDef (XGA/DVI)

• Input	VGA, SVGA, XGA, WXGA, SXGA
• Output	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

### 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

### Dimensions

• VEGA X3	
Width	29 cm (11.8")
Height	14 cm (5.5")
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