

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 128 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.

#### 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  
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  
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    |
| 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 function
- 16:9
- Dual Monitor Emulation

### 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 Ethernet 2 RJ-45
- Optional Embedded WiFi IEEE 802.11b/g

### 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)
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

### 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, 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

### 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

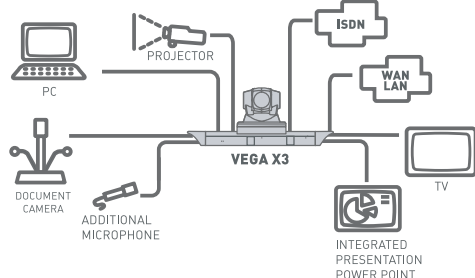
### Power Supply

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

### Dimensions

- VEGA X3
 

Width	29 cm (11.8")
Height	14 cm (5.5")
Depth	20.5 cm (8")



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