

vega® X3

High-performance Set-top



Best Price-Performance Ratio

Professional video communications set-top with embedded digital XGA connections via its DVI port

Simplicity, Quality, Design

Crystal clear audio and superior video quality at up to 2 Mbps in a sophisticated design by Paolo Villa

Easy Collaboration

Includes "Aethra Collaborative Tools" functions for PC presentations and data exchange



With an extremely small footprint, the Vega® X3 was designed by the Paolo Villa Studio to combine high-tech features and functions with an exclusive design. It is ideal for SOHO - Small Office Home Office - environments thanks to excellent audio and video quality and the possibility to use PowerPoint presentations, which render distance collaboration even more effective.

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

Supports both 14-kHz (ITU and ISO) wideband audio codecs.

Multipoint Functionality

The embedded MCU (Multipoint Conferencing Unit) connects up to 4 sites with Continuous Presence in mixed mode ISDN, IP-H.323 and IP-SIP.

* 128 kbps on board with sw option; up to 512 kbps using the external X Line Network Adapter

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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.263+, H.263++, H.264, H.239, H.241, G.711, G.728, G.722, G.722.1, G.722.1 Annex C, MPEG4 AAC-LD
- Audio
- Data T.120
- LDAP H.350
- MCU compatibility H.243, H.231

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 with sw option; 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 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)

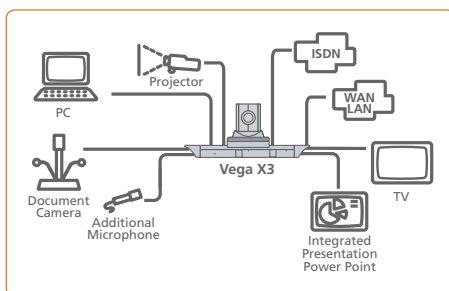
Audio

- | 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 6.4 to 65.5 degrees
- Zoom 10.5x
- Min. Lux 1.5

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
- ISDN
4 BRI with integrated channel aggregator 4 RJ-45

Network Protocols

- TELNET, HTTP, SNMP, DNS, DHCP, RTP/RTCP, TCP/UDP, ARP, STUN, Sntp, 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)
XGA In DVI-I
- Video outputs
Monitor Composite (RCA)
XGA Out DVI-I
- 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

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

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, 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™

Multipoint Function (option)

- Integrated MCU H.320, H.323 and SIP mixed mode
3+1 participants @ 384 kbps
- Compatible with analogue and mobile networks
- Video coding H.261, H.263, H.263+, H.263++
G.711, G.722, G.722.1, G.728
- Audio coding H.243
- 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, 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	
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 X3
Width 39 cm (15.3")
Height 18,5 cm (7.3")
Depth 20,5 cm (8")

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