

VEGA® STAR SILVER-E



Practical

High-performance set-top with embedded XGA ports and support for 3 monitors

Increases Collaboration

Built-in mixed mode MCU connects up to 5 sites with Continuous Presence and embedded PowerPoint® presentations

Reliable

Crystal clear audio and excellent video quality at 2 Mbps

OVERVIEW

Vega® Star Silver-E is a high-quality set-top that is ideal for medium and large-sized videoconferencing sessions requiring enhanced audio and video quality. Its integrated Multipoint Conferencing Unit (MCU) connects up to 5 sites in mixed mode (ISDN and IP), with convenient dial-out and dial-in (Meet Me) configuration.

Continuous Presence feature enables participants at all sites to view one another simultaneously.

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.

SUPPORTS MULTIPLE CONNECTIVITY

Available in several versions: for connections at 1 BRI, 3 BRI, 4 BRI, 6 BRI over ISDN (options) and up to 2 Mbps over IP as well as leased lines X21, V35, RS449, RS530 (option).

SIMPLE TO CONFIGURE AND UPGRADE

Flexible architecture enables easy re-configuration of the system. Ready to upgrade simply by software activation or adding different cards.

PATENTED VOICE TRACKING

Voice Tracking technology provides automatic tracking and framing of the person who is speaking.

CUSTOMIZABLE GRAPHIC USER INTERFACE

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

FEATURES AT A GLANCE

- XGA input and output ports (option)
- Simultaneous dual-stream video (option)
- Embedded PowerPoint® presentation
- Supports ISDN, IP, leased networks (option)
- PC slot for wireless LAN support
- Integrated mixed-mode MCU with Meet Me configuration (option)
- Patented Voice Tracking camera
- Web streaming function
- AES encryption standard
- LDAP (Lightweight Directory Access Protocol)
- Audio, video and rate automatic adjustment
- Customizable GUI (Graphic User Interface)



TECHNICAL SPECIFICATIONS

SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- IETF-SIP (RFC3261) IP networks
- PPOE
- Video H.261, H.263 ++, H.264, H.239
- Audio G.711, G.728, G.722, G.722.1, MPEG 4 AAC-LD
- Data T.120
- LDAP H.350
- MCU compatibility H.243

TRANSMISSION

- Bit rate 64 kbps ÷ 2 Mbps over IP (H323/SIP)
56 kbps ÷ 128 kbps over ISDN 1 BRI (option)
56 kbps ÷ 384 kbps over ISDN 3 BRI (option)
56 kbps ÷ 512 kbps over ISDN 4 BRI (option)
56 kbps ÷ 768 kbps over ISDN 6 BRI (option)
56 kbps ÷ 2 Mbps over V.35/Leased (option)
- Simultaneous video motion coding and PC presentations from the XGA input (option)

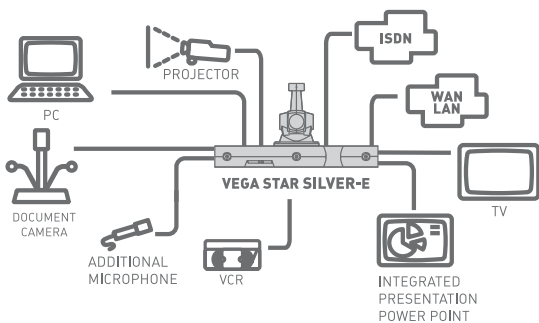
VIDEO

- Frame rate 15 frames per second @ 56 kbps - 128 kbps
30 frames per second @ 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)
Up to 1024x768 pixels over XGA in H.263 (option)
- Remote camera control H.281 (H.320)
H.282/H.283 (H.323)

AUDIO

| Audio | Band | Bit rate |
|---------|---------------|---------------|
| G.711 | 300 ÷ 3400 Hz | 56 kbps |
| G.728 | 50 ÷ 3400 Hz | 16 kbps |
| G.722 | 50 ÷ 7000 Hz | 48/56 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



AUDIO TRACKING

- Tracking Enhanced Voice Tracking
- Coverage max. 6 m, recommended 3 m
- Location ±60 horizontal, ±25 vertical

DIGITAL MICROPHONE POD

- Range 360°
- Response 50 ÷ 14000 Hz
- Microphones 3
- Mute button
- Up 2 pods in a daisy-chain configuration

BUILT-IN CAMERA

- Resolution 752 x 582 pixels
- Preset 122 presets
- H. angle of view 6.6 to 65 degrees
- Zoom 40x (10x optical + 4x digital)

SUPPORTED MONITOR

- Format PAL or NTSC or VGA
- Single, dual monitor, VGA
- PIP function

NETWORK INTERFACES

- Basic version Ethernet
2 Port 10/100BASE-T full-duplex with integrated switch Ethernet 2 RJ-45
- Optional ISDN 1 BRI 1 RJ-45
3 BRI ISDN with integrated channel aggregator 3 RJ-45
4 BRI ISDN with integrated channel aggregator 4 RJ-45
6 BRI ISDN with integrated channel aggregator 6 RJ-45
Leased networks X.21/V.35/RS366/RS449/RS530 44 pin HiDen

AUDIO/VIDEO INTERFACES

- Video inputs Main camera Integrated Y/C not accessible
VCR Composite (RCA)
Doc.Cam. 1 S-Video (Mini-DIN)
Doc.Cam. 2 S-Video (Mini-DIN)
Doc.Cam. 3 Composite (RCA)
XGA In (optional) DB15 Hi/Den
- Video outputs Monitor 1 Composite (RCA)
S-Video (Mini-DIN)
Monitor 2 S-Video (Mini-DIN)
with monitor detect
VCR Composite (RCA)
XGA Out (optional) DB 15 Hi/Den
- Audio inputs Connection Level Connector
2xPod mic. 360° Dig. 1 RJ-11 6/6
Aux.mic. Mic Stereo jack 3.5 mm
Audio In Line 1 RCA
VCR Line 2 RCA (L/R)
- Audio outputs Connection Level Connector
Monitor 1 Line 2 RCA (L/R)
VCR Line 2 RCA (L/R)

AUXILIARY INTERFACES

- Data RS232 Mini-DIN 8-pin with DB9 adapter
- Diagnostics RS232 Mini-DIN 8-pin
- VISCA RS232 Mini-DIN 8-pin supports Canon or Sony, aux PTZ camera
- PC CARD 1 PCMCIA, type II for Wi-Fi card

USER INTERFACE

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

MULTI-POINT FUNCTION

- Integrated MCU H.320, H.323 and SIP mixed mode
5 participants @ 128 kbps
5 participants @ 256 kbps
4 participants @ 384 kbps
- Compatible with analog and mobile networks
- Video coding H.261, H.263+ +
G.711, G.722, G.722.1, G.728
- Audio coding H.243
- Chair control
- Dial-In/Dial-Out capabilities
- Continuous presence
- Encryption
- Dual video H.239 from any site

ENCRYPTION

- AES encryption standard H.233, H.234, H.235

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 | |
| 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 STAR SILVER-E
Width 47 cm (18.5")
Height 25.8 cm (10")
Depth 24.1 cm (9.5")

Headquarters

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