

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 or LAN connection 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 adding different cards.

PATENTED VOICE TRACKING

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

CUSTOM 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
- Embedded PowerPoint® presentation
- Supports ISDN, IP, leased networks (option)
- Wireless LAN support
- Integrated mixed-mode MCU with Meet Me configuration (option)
- Patented Voice Tracking camera
- Web streaming function
- AES encryption standard (option)
- LDAP (Lightweight Directory Access Protocol)
- Audio, video and rate automatic adjustment
- Custom GUI (Graphic User Interface)



TECHNICAL SPECIFICATIONS

SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- PPoE
- Video H.261, H.263 ++, H.264 H.239
- Audio G.711, G.722, G.722.1, G.728
- Data T.120
- LDAP H.350
- MCU compatibility H.243

TRANSMISSION

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

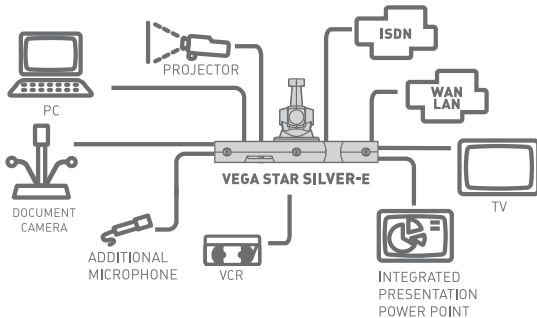
VIDEO

- 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)
- Camera remote control H.281 (H.320) H.282/H.283 (H.323)

AUDIO

Audio	Band	Bit rate
G.711	300 ÷ 3400 Hz	56 kbps
G.722	50 ÷ 7000 Hz	48/56 kbps
G.722.1	50 ÷ 7000 Hz	24/32 kbps
G.728	50 ÷ 3400 Hz	16 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÷7000 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
- 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 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 Hi/Den
 - Wi-Fi wireless interface 802.11b

AUDIO/VIDEO INTERFACES

- Video inputs
 - Main camera Integrated Y/C not accessible Composite (RCA)
 - VCR Composite (RCA)
 - Doc.Cam.1 S-Video (Mini-DIN)
 - Doc.Cam.2 S-Video (Mini-DIN)
 - Doc.Cam.3 Composite (RCA)
 - XGA In DB15 Hi/Den
- Video outputs
 - Monitor 1 Composite (RCA)
 - Monitor 2 S-Video (Mini-DIN) with monitor detect
 - VCR Composite (RCA)
 - XGA Out DB 15 Hi/Den
- Audio inputs

Connection	Level	Connector
2xPod mic. 360°	Dig.	1 RJ-11 6/6
Aux.mic.	Mic	Stereo jack 3.5mm
Audio In	Line	1 RCA
VCR	Line	2 RCA (L/R)

- Audio outputs

Connection	Level	Connector
Monitor1	Line	2 RCA (L/R)
VCR	Line	2 RCA

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, Chinese
- Infrared remote control for full function control
- Contextual help
- Diagnostics and management functions
- Call progress monitoring
- Support AMX™ or Crestron™ touch panels
- Custom Graphic User Interface

MULTI-POINT FUNCTION

- Integrated MCU H.320 and H.323 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+ +
- Audio coding G.711, G.722, G.722.1, G.728
- Chair control H.243
- Dial-In/Dial-Out capabilities
- Continuous presence

ENCRYPTION

- AES encryption standard (option)

WEB MANAGEMENT

All configuration, call, diagnostics and management functions are accessible using 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 STAR SILVER-E

Width	47 cm (18.5")
Height	25.8 cm (10")
Depth	24.1 cm (9.5")

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