

VEGA® STAR SILVER-E SPLIT



Flexible

Separate codec unit enables convenient positioning of the wide-angle camera

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

OVERVIEW

Vega® Star Silver-E Split 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.

HIGH PERFORMANCE CAMERA

The wide-angle camera provides both optical and digital zoom and offers 122 preset positions.

Thanks to the camera's embedded Voice Tracking feature the active speaker can be accurately localized.

SUPPORTS MULTIPLE CONNECTIVITY

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

SIMPLE TO CONFIGURE AND UPGRADE

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

FEATURES AT A GLANCE

- Detached wide-angle camera
- XGA input and output ports (option)
- Simultaneous dual-stream video (option)
- Integrated mixed-mode MCU (option)
- Patented Voice Tracking camera
- T.120 for multimedia
- Embedded PowerPoint® presentation
- Web streaming function
- Wireless LAN support
- AES encryption standard (option)



TECHNICAL SPECIFICATIONS

SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- Video H.261, H.263+, H.264*
- * with Release 5.0.
- Audio G.711, G.722, G.728
- Data T.120
- MCU compatibility H.243

FEATURES

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

VIDEO

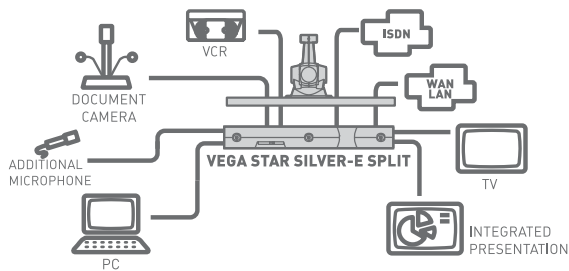
- Frame rate 15 frames per second @ 56 kbps-128 kbps
30 frames per second @ 168 kbps- 2 Mbps
- Video resolution 4CIF 704 x 576 pixels
FCIF 352 x 288 pixels
QCIF 176 x 144 pixels
4CIF 704 x 576 pixels for still images (H.261 Annex D)
Up to 1024 x 768 pixels over XGA in H.263 (option)
- Camera remote control H.281 (H.320)

AUDIO

- | Audio | Band | Bit rate |
|-------|---------------|------------|
| G.711 | 300 ÷ 3400 Hz | 56 kbps |
| G.722 | 50 ÷ 7000 Hz | 48/56 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. 7 m, recommended 4 m
- Location ±60 horizontal, ±25 vertical



Aethra SpA
Telecommunications
via Matteo Ricci 10
60020 Ancona - Italy
Telephone +39.071.218981
Fax +39.071.887077
Video 1 +39.071.2189160
Video 2 +39.071.2189701
Email: info.aethra@aethra.com
www.aethra.com

DIGITAL MICROPHONE POD

- Range 360°
- Response 50÷7000 Hz
- Microphones 3
- Mute button
- Up 2 pods in a daisy-chain configuration

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, dual monitor + VGA
- PIP function

NETWORK INTERFACES

- Basic version
 - Ethernet
 - 2 Ethernet 10/100BASE-T with integrated switch Ethernet 2 RJ-45
- Optional
 - 1 BRI 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
 - X.21/V.35/RS366/RS449/RS530 44 pin Hi/Den
 - Wi-Fi wireless interface 802.11b

AUDIO/VIDEO INTERFACES

- Video inputs

Main	S-video (Mini-DIN)
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)
	S-Video (Mini-DIN)
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

Aethra, Inc.
701 Brickell Avenue
Suite 1390
Miami, FL 33131 USA
Telephone +1.305.375.0010
Toll Free (US only) 1.888.4.AETHRA
Fax +1.305.375.0655
Video +1.305.577.3524
Email: info.na@aethra.com

AUXILIARY INTERFACES

- PAN& TILT DB9
- 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
- Supports AMX™ or Crestron™ touch panels

MULTI-POINT FUNCTION

- Integrated MCU H.320 and H.323 mixed mode
 - @ 128 kbps
 - @ 256 kbps
 - @ 384 kbps
- Compatible with analog and mobile networks
- Video coding H.261, H.263+ +
- Audio coding G.711, G.722, G.728
- Chair control H.243
- Dial-In/Dial-Out capabilities
- Continuous presence

ENCRYPTION

- AES encryption standard (option)

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

- CODEC

Width	47 cm (18.5")
Height	6 cm (2.4")
Depth	24.1 cm (9.5")

- AUDIOTRACKING CAMERA

Width	50 cm (19.6")
Height	33 cm (13")
Depth	19 cm (7.5")