

VEGA® STAR GOLD



Highest Quality

Crystal clear audio and superior video quality at 3 Mbps

Enhances Collaboration

Built-in MCU connects up to 7 sites with Continuous Presence and embedded PowerPoint® presentations

Convenient

Fully featured set-top solution with embedded XGA ports and support for 3 monitors

OVERVIEW

Vega® Star Gold is a high-performance system at the cutting-edge of set-top technology.

It is ideal for medium and large-sized videoconferencing sessions that require enhanced audio and video quality. The integrated Multipoint Conferencing Unit (MCU) connects up to 7 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.

SUPPORTS MULTIPLE CONNECTIVITY

Available in several versions: for connections up to 768 kbps over ISDN BRI and 3 Mbps over IP; as well as connections up to 2 Mbps over ISDN PRI or over leased lines (X21, V35, RS449, G703).

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.

EASY TO CONFIGURE

Flexible, simple architecture enables easy re-configuration of the system. Ready to upgrade simply by adding different cards. Change the channel aggregator card and upgrade from BRI to PRI in one easy step!

VOICE TRACKING PATENTED

Voice Tracking technology enables the camera to automatically track and frame 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
- 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
- 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
- IETF-SIP (RFC3261) IP networks
- PPoE
- Video H.261, H.263+, H.264 H.239 G.711, G.722, G.722.1, G.728
- Audio T.120 H.350
- Data T.120 H.350
- LDAP H.350
- MCU compatibility H.243

TRANSMISSION

- Bit rate 56 kbps ÷ 768 kbps over ISDN BRI
56 kbps ÷ 2 Mbps over ISDN PRI**
64 kbps ÷ 3 Mbps over IP (H323/SIP)
56 kbps ÷ 2 Mbps over V.35/Leased

- **in North America ISDN PRI/T1 at 1544 kbps (ANSI T1 recommendations)
- Simultaneous video motion coding and PC presentations from the XGA input

VIDEO

- Frame rate 15 frames per second @ 56 kbps -128 kbps
30 frames per second @ 168 kbps - 3 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 over XGA in H.263
- 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.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 to 2 pods in a daisy-chain configuration

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

NETWORK INTERFACES

- Basic version

ISDN	
3 BRI	3 RJ-45
Ethernet	
2-Port 10/100BASE-T full-duplex with integrated switch Ethernet	2 RJ-45
- Optional

ISDN	
3 BRI with integrated channel aggregator	3 RJ-45
or 1 E1/T1 PRI with integrated channel aggregator	1 RJ-45
or Leased networks	
X.21/V.35/RS366/RS449/RS530	44 pin Hi/Den
or G.703	1 RJ-45

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	DB15 Hi/Den
- Video outputs

Monitor 1	Composite (RCA)
Monitor 2	S-video (Mini-DIN)
VCR	S-video (Mini-DIN)
XGA Out	Composite (RCA)
	DB 15 Hi/Den
- Audio inputs

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

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

MULTIPOINT FUNCTION

- Integrated MCU H.320 and H.323 mixed mode

7 participants	@256 kbps
5 participants	@384 kbps
4 participants	@512 kbps
3 participants	@768 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

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	
Error tracking	Yes	Yes	Yes

INTEGRATED PRESENTATION

- Supported applications Microsoft® PowerPoint®
- Multimedia support T.120

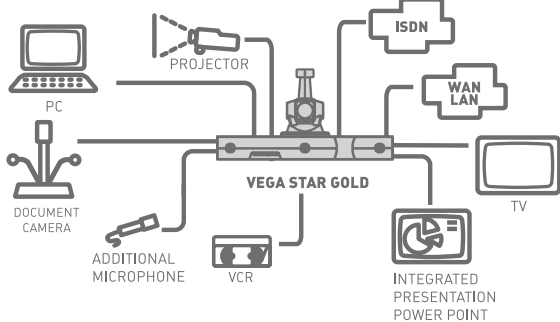
POWER SUPPLY

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

DIMENSIONS

- VEGA STAR GOLD

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



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