

VEGA® STAR GOLD



Highest Quality

Crystal clear audio and superior video quality at 2 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 2 Mbps over IP; as well as connections up to 2 Mbps over ISDN PRI and IP, 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.

FEATURES AT A GLANCE

- XGA input and output ports
- Simultaneous dual-stream video
- Supports ISDN, IP, V.35/leased networks
- Integrated mixed mode MCU with Meet Me configuration
- Support for AMX™ and Crestron™ protocols for keyboards and control panels
- Patented Voice Tracking camera
- T.120 for multimedia
- Full-duplex, hands-free audio with echo cancellation
- Automatic Noise Suppression
- Embedded PowerPoint® presentation
- Web streaming function
- Wireless LAN support



TECHNICAL SPECIFICATIONS SUPPORTED STANDARDS

- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- Video H.261, H.263++ (I,J,T,F)
- Audio G.711, G.722, G.728, G.723.1
- Data T.120
- MCU compatibility H.243

TRANSMISSION

- Bit rate 56 ÷ 768 kbps over ISDN BRI
56 ÷ 2 Mbps over ISDN PRI*
64 ÷ 2 Mbps over IP
56 ÷ 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

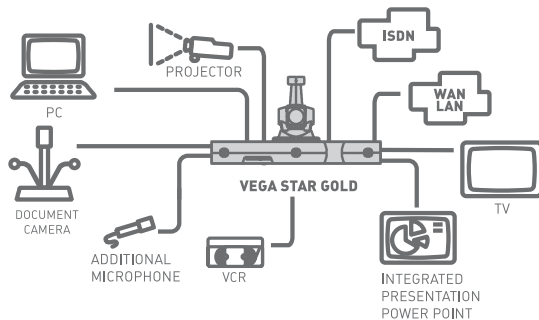
VIDEO

- Frame rate 15 frames per second @ 56 kbps – 128 kbps
30 frames per second @ 168 kbps – 2 Mbps
- Video resolution 4CIF 704x576 pixels
FCIF 352x288 pixels
QCIF 176x144 pixels
4CIF 704x576 pixels for still images (H.261 Annex D)
Up to 1024x768 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.723.1 | 300 ÷ 3400 Hz | 5.3/6.3 kbps |
| G.728 | 50 ÷ 3400 Hz | 16 kbps |

- Echo cancellation Full-duplex
- Echo Return Loss Enhancement (ERLE) 30 dB
- Automatic Gain Control (AGC) ±12 dB
- 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 752x582 pixels
- Presets 12 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
 - ISDN 3 RJ-45
 - Ethernet 2 RJ-45
 - 2-Port 10/100BASE-T full-duplex with integrated switch Ethernet
- Optional
 - ISDN 3 RJ-45
 - 3 BRI with integrated channel aggregator 3 RJ-45
 - 1 E1/T1 PRI with integrated channel aggregator 1 RJ-45
 - Leased networks 44 pin Hi/Den or G.703 1 RJ-45

AUDIO/VIDEO INTERFACES

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

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

- Audio output

Monitor	Line	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 III

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 AMXTM or CrestronTM touch panels

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.728
- Chair control H.243
- Dial-In/Dial-Out capabilities
- Continuous Presence

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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