

# VEGA® STAR GOLD



## Highest Quality

Crystal clear audio and superior video quality at 2 Mbps

## Enhances Collaboration

Built-in mixed mode 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)  
G.711, G.722,  
G.728, G.723.1
- Audio 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

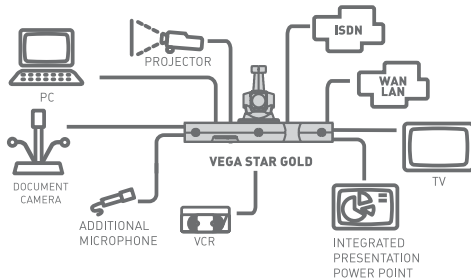
- Frame rate 15 frames per second  
@ 56 kbps – 128 kbps  
30 frames per second  
@ 168 kbps – 2 Mbps
- Video resolution 4CIF 704x576 pixels  
FCIF 352x288 pixels  
QCIF 176x144 pixels  
4CIF 704x576 pixels  
for still images  
(H.261 Annex D)  
Up to 1024x768 over  
XGA in H.263
- Remote camera control 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 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
- 1 E1/T1 PRI with integrated channel aggregator 1 RJ-45
- Leased networks
- X.21/V.35/RS366/RS449/RS530 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 Composite (RCA)
- XGA Out 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 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 AMX™ or Crestron™ 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
- Compliant with the standard H.320 and H.323
- 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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