

NEW PRODUCT  
CEBIT '02



aethra



## VEGA STAR GOLD SET-TOP

Vega Star Gold is a high-performance system at the cutting-edge of set-top technology. It is ideal for medium videoconference sessions which require enhanced audio and video quality and is available in two versions: 6 BRI (up to 768kbps over ISDN and 2Mbps over IP) and PRI (up to 2Mbps over both ISDN and IP), conforming to H.320/H.323 standards.

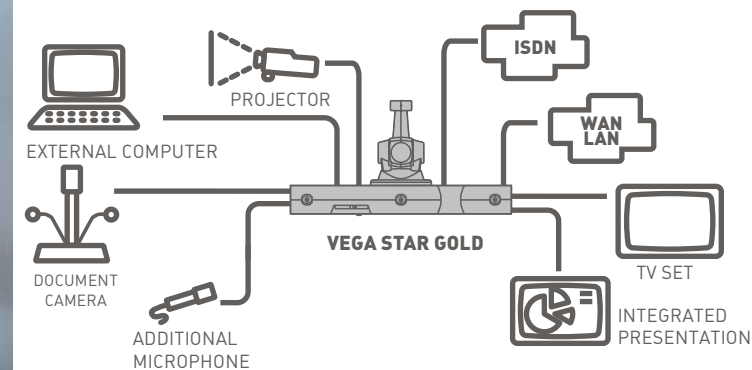
The multi-standard MCU (IP, ISDN and IP+ISDN) provides multiple conference connections with Continuous Presence, allowing users to see simultaneously the participants at up to 7 sites at 128kbps.

Vega Star Gold also has optional encryption capabilities to protect the transmission of audio, video and data.

It supports integrated file management, giving participants at every location the possibility to share and manage the same applications (including PowerPoint).

The user can also connect his PC/notebook directly to the system to show presentations or any other software applications to all sites.

Thanks to these features, Vega Star Gold makes remote collaboration completely natural and fully interactive, allowing businesses to communicate more effectively.



## 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
- Data: T.120
- MCU compatibility: H.243

### FEATURES

- Bit Rate: 6 BRI  
56÷2048 kbps over IP and ISDN  
56÷2048 kbps over V.35/Leased

### VIDEO FEATURES:

- Frame Rate: 30 fps
- Video Resolution: 4CIF 704x576 pixels  
FCIF 352x288 pixels  
QCIF 176x144 pixels  
4CIF 704x576 pixels for still images (H.261Annex D)  
Up to 1024x768 over XGA in H.263
- Camera remote control: H.281

### AUDIO FEATURES:

- | Audio Coding: | 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     |
| G.723.1       | 300÷3400Hz  | 5.3/6.3kbps |
- Echo cancellation, Full Duplex
  - Echo Return Loss Enhancement (ERLE): +30dB
  - Automatic Gain Control (AGC): ±12 dB
  - Automatic Noise Suppression

### AUDIO TRACKING

- Tracking: Enhanced Voice Tracking
- Coverage: max. 7 m, recommended 4 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

### CAMERA

- Resolution: 752x582 pixels
- Preset: 9 presets
- Tracking: Enhanced Voice Tracking
- Useful distance: max. 7 m, recommended 4 m

- Localization: ± 60° horizontal, ± 25° vertical

### MONITOR

- Format: PAL or NTSC
- Single, Dual Monitor, Dual Monitor + VGA
- PIP function

### NETWORK INTERFACES

#### BASIC VERSION:

- 3 ISDN BRI 3 RJ-45
- 2 Ethernet 10/100BASE-T with integrated Switch Ethernet 2 RJ-45

#### OPTIONAL:

- 3 ISDN BRI with integrated channel aggregator 3 RJ-45
- or 1 PRI ISDN with integrated channel aggregator 2 RJ-45
- or V.35/RS366/RS530 44 pin 25 Hi/Den
- or G.703 2 micro BNC

### AUDIO/VIDEO INTERFACES

- Video Outputs:
  - Monitor 1: Composite (RCA)  
Y/C (Mini-DIN)
  - Monitor 2: Y/C (Mini-DIN)
  - Aux1 (VCR): Composite (RCA)
  - XVGA: dB 15 Hi/Den
- Video Inputs:
  - Main Camera: Integrated Y/C, not accessible
  - Aux1 (VCR): Composite (RCA)
  - Aux2 (Doc.Cam.): Y/C (Mini-DIN)
  - Aux3: Y/C (Mini-DIN)
  - Aux4: Composite (RCA)
  - XVGA: DB 9 High Density

#### ● Audio Inputs:

| Connection        | Level | Connector         |
|-------------------|-------|-------------------|
| - Microphone 360° | Mic   | RJ-45             |
| - Aux. Mic.       | Mic   | Stereo Jack 3,5mm |
| - Audio In        | Line  | RCA               |
| - Aux1 (VCR)      | Line  | 2RCA (Stereo)     |

#### ● Audio Outputs:

|              |      |                |
|--------------|------|----------------|
| - Monitor1   | Line | 2 RCA (Stereo) |
| - Aux1 (VCR) | Line | 2 RCA (Stereo) |



### AUXILIARY INTERFACES

- Serial Data RS232: Mini-DIN 8-pin
- Serial Diagnostics RS232: Mini-DIN 8-pin
- Serial VISCA RS232

### USER INTERFACE

- On-screen graphic user interface
- Infrared Remote Control for Full Function Control
- Contextual help
- Diagnostics and Management Functions

- Call Progress Monitoring

### MULTI-POINT FUNCTION

- Integrated MCU H.320 Function
  - 7 participants @ 128kbps
  - 5 participants @ 384kbps
  - 4 participants @ 512kbps
  - 3 participants @ 768kbps
- Compliant with the standard H.320 / 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
- Continuous presence

### WEB MANAGEMENT

All configuration, call, diagnostics and management functions are accessible using the 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

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