Video conferencing has become a popular service widely used by organizations. Low cost video endpoints, as well as the popularity of smart phones, have made enterprises think about integrating video capacity to their existing communication networks.

Vega Video MCU is a versatile SIP-based multipoint conferencing unit appliance that allows SMBs and SMEs, with multiple locations, to easily add video conferencing capacity to their existing telephony systems. Providing high quality voice and video conferencing in a single platform increases productivity for enterprises and reduces communication and travel costs.

**EASE OF USE**

Imagine adding video conferencing capability to your existing PBX in 4 easy steps:

1. Connect Vega Video MCU to your enterprise network
2. Configure IP Address information on MCU
3. Connect to your enterprise IP PBX web interface, query and apply Vega MCU settings
4. Make your first HD video conferencing call from your video IP phone endpoint

**PBX INTEGRATION**

Our MCU comes with a standardized RESTful API that PBX administrators can query to get necessary information in order to easily provision video conference rooms their existing PBXs.

**DEDICATED MEDIA PROCESSING HARDWARE**

Our MCU has dedicated DSP resources that allow scalability for high density audio and video conferencing.
TECHNICAL SPECIFICATIONS

Interfaces:

**VOIP INTERFACES:**
SIP

Audio codecs:
- G.711 (a-law/u-law)
- G.726
- G.723
- G.722
- G.729AB
- GSM
- AMR
- ILBC

Video codecs:
- H.264
- H.263

Transmission video frame rates:
- 15
- 20
- 22
- 25

Video resolutions:
- SQCIF
- QCIF
- CIF

Transcoding
Trans rating
RTP, RTCP

**Features:**

**IDENTIFICATION:**
SIP registration & digest authentication
Local registration termination
Remote registration
SIP registration to multiple PBXs

**CALL QUALITY:**
Adaptive jitter removal
Silence suppression
Video frame rate adaptation
Advanced video quality enhancement algorithms

**HD VIDEO CONFERENCING:**
3 available layouts configurable as a per user basis
Voice Activity Switch (VAS) layouts
Specially designed layout for desktop content presentation
N-MOST active speakers layout
Up to 16 video participants in continuous presence within a single conference
Up to 32 audio-only participants within a single conference

**ENDPOINTS:**
Tested with multiple SIP endpoints with video support.

**OPERATIONS & MAINTENANCE:**
HTTP(S) web server
Standardized RESTful API for appliance provisioning

**POWER:**
60 W universal internal power supply

**DIMENSIONS:**
Standard 1U: 19”(W) x 8.15”(D) x 1.7”(H)
Rack mounting clips included

**Support & Professional Services:**
Sangoma engineers are here to support your success. Whether you need technical support and software maintenance, training, consultation and installation services, Sangoma can help you. Contact your Sales representative for more information.

**Warranty:**
Standard 12-month warranty is included. Additional warranty services available, contact your Sales representative for more information.

**Ordering Information**

<table>
<thead>
<tr>
<th>SKU</th>
<th>Item Description</th>
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</thead>
<tbody>
<tr>
<td>MPCU-08</td>
<td>Vega MCU 8-port video conferencing appliance</td>
</tr>
<tr>
<td>MPCU-12</td>
<td>Vega MCU 12-port video conferencing appliance</td>
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</tbody>
</table>

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