

**Compact IP Video System****Advantages of Conferencing with HD600**

- Affordable video over IP system
- Ideal for large video deployments
- Custom integration design includes codec and extensive set of APIs
- Advanced streaming with HD Simulcast™ technology
- Simultaneous sending and receiving of video and data streams with H.239 and HD DualStream™ technology
- Encryption support with H.235 (AES)
- Full-functional web-based management for easy control and administration
- Emblaze-VCON Media Xchange Manager for advanced videoconferencing function



HD600 is Emblaze-VCON's compact, entry-level video system for a broad range of video applications including room videoconferencing. Combining clear, reliable video and audio over IP with key conferencing functionality, HD600 is ideal for wide-scale deployment of hundreds of smart video endpoints. Offering data-sharing and streaming capabilities and a suite of integration APIs, HD600 can be used to create any custom application across an array of vertical markets such as educational facilities, healthcare organizations, financial institutions, government agencies and corporate boardrooms. With exceptional price performance, HD600 is the system of choice for organizations seeking an affordable, large deployment of high-performance video systems.

**Sharing and Streaming Video, Audio and Data**

HD600 streams live video over both internal networks and the Internet. Additionally, users can participate in high bit-rate videoconferences while streaming them over the Internet at an appropriately low bandwidth. Administrators can configure and start streaming via the web-based remote management program. HD600 also offers advanced data-sharing capabilities that enable users to share documents or presentations during conferences.

**Video Applications**

HD600 can be used in a wide variety of video applications from traditional room conferencing, remote education and telemedicine to security surveillance systems and interactive kiosks. HD600's robust and reliable performance makes it the ideal solution for large video deployments.

**Integration APIs**

HD600's IP-based APIs allow for easy integration of video with a variety of products. Using the APIs, developers can equip their tailor-made applications with features that correspond with their organization's requirements.



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## Specifications

**Video Specifications**  
**Transmission Speed**  
H.323 64 Kbps – 2 Mbps

**Video Standards**  
H.261, H.263, H.263+/++

**Live Video Resolution**  
4CIF (704 x 576 pixels) Rx  
CIF (352 x 288 pixels)  
SIF (352 x 240 pixels)  
QCIF (176 x 144 pixels)

**Video Frame Rate**  
Up to 15 fps: 64 – 320 Kbps  
Up to 30 fps: 384 Kbps +

**Video Inputs**  
Composite, S-video

**Video Outputs**  
S-video, Composite, VGA

**PTZ Cameras Supported**  
Sony D100  
Sony EVI-D30/31  
Support for Canon camera  
available

**Far-End Camera Control (FECC)**  
Complies with H.281 Annex Q

**Data Specifications**  
**Data Ports**  
RS-232 control port (for Serial API  
or PTZ camera control)

**Data sharing**  
Complies with H.239 ITU-T  
standard  
Utilizes HD Data utility for sharing  
PC desktop applications and  
presentations

**Data Video Resolution**  
SVGA (800 x 600)  
VGA (640 x 480)  
Up to 4CIF for PAL/NTSC monitors

**Security Specifications**  
Encryption  
Complies with H.235 (AES) ITU-T  
standard

**Audio Specifications**  
**Audio Standards**  
G.711, G.722, G.723.1, G.728,  
G.729

**Audio Inputs**  
Microphone omni and uni  
Line level RCA, L/R

**Audio Outputs**  
Line level RCA, L/R

**Audio Features**  
Full duplex echo cancellation  
Automatic noise suppression  
Ability to turn off internal echo  
canceller  
DTMF tone generation

**Networking Specifications**  
Standards Supported  
ITU-T H.323 v4

**Networking**  
Integrated 10/100 Ethernet NIC  
DHCP  
WINS  
DNS  
FTP  
HTTP with DAA  
Telnet

**Software Upgrades**  
Via HD Upgrade utility or the  
SpeedPoint device via FTP  
Upgrade availability notification

**Phone Book Capacity**  
1000+ entries  
Mult-language support  
Unicode support

**H.323 QoS Features**  
DiffServ  
IP Precedence  
Firewall port sync  
NAT IP address mask  
Port pinholing  
Adaptive Bandwidth Adjustment  
Packet ordering  
Packet duplication control  
Jitter correction  
Lip sync correction  
Overhead prediction

**Streaming Specifications**  
**HD Simulcast™**  
Multicast Streaming Video  
Multicast to Emblaze-VCON's  
Broadcast Viewer, Quicktime Viewer  
and other Multicast viewers with  
integrated SDP listeners

**Unicast Streaming Video**  
Unicast to Quicktime viewers  
Data rate downspeeding  
Multicast-unicast in same call:  
Up to 15 unicast streams at 384  
Kbps during multicast session  
Up to 10 unicast streams at 384  
Kbps during 384 Kbps call +  
multicast

**Interactive Multicast**  
Participate in any Emblaze-VCON  
Interactive Multicast session  
Uses bandwidth-efficient IP  
multicast

**Other Specifications**  
Browser-based Management  
Uses DAA (Digest Access  
Authentication)  
Dial/Hangup calls  
Phone book management  
Device and network configuration  
Streaming start/stop/view  
Camera and volume control  
Call status  
Diagnostics  
Call detail reports

**Control**  
Hand-held remote control  
Internal infrared receiver

**Physical Dimensions**  
Dimensions: 260(W) x 210(D) x  
40(H)mm  
Weight: 2.1Kg

**Language Support**  
English, French, Italian, Spanish  
(Spain and Latin), Portuguese  
(Portugal and Brazil), German,  
Chinese, Japanese, Russian,  
Swedish, Finnish, Turkish, Korean