

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.



**Emblaze-VCON Inc.,
Americas & CALA
Headquarters**
2 University Plaza, Suite 201
Hackensack, NJ 07601
Tel: +1-201-883-1220
Fax: +1-201-883-1229

Emblaze-VCON Asia-Pacific
PT. Raditya Mulia Lestari
Perkantoran Nias Raya, Jl. Pelepah
Elok I, Blok GN1/27
Kelapa Gading Permai
Jakarta 14241, Indonesia
Tel: +62-21-3273-3280
+62-21-3273-3290
Fax: +62-21-4585-0470

**Emblaze-VCON Australia
and New Zealand**
Content Bank Australia Pty Ltd
PO BOX 202
Newport NSW 2106, Australia
Tel: +612-9519-5200
Fax: +612-9999-2900

Emblaze-VCON China
Unit 1321, Tower B, COFCO Plaza
8 Jianguomennei Avenue
Beijing, 100005 China
Tel: +86-10-6526-9791
Fax: +86-10-6526-9790

Emblaze-VCON Italy
Satnet S.r.l Via Abegg,
43 - 10050-Borgone
Susa (TO) Italy
Tel: +39-01-196-41375
Fax: +39-01-197-62802

Emblaze-VCON Russia & CIS
5/1 Bolshoy Suharevsky Per
Moscow 127051 Russia
Tel: +7 499 788 72 39
Fax: +7 495 616 33 66

**Emblaze-VCON UK
and Middle East**
27 Old Gloucester St.
London, WC1N 3XX
United Kingdom
Tel: +44-(0)207-0317-255
Fax: +44-(0)207-0316-256

**Emblaze-VCON
International Headquarters**
Beit Rakefet
1 Emblaze Square
POB 2220
Ra'anana 43662 Israel
Tel: +972-9-7627800
Fax: +972-9-7627801

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