

# TANDBERG Content Server

With the TANDBERG Content Server, your organization can access on-demand video presentations, distance education classes and corporate training sessions anywhere, anytime. Create business-quality multimedia content easily from any H.323 or SIP videoconferencing endpoint. Manage and distribute live or recorded content to any PC in Microsoft Windows Media®, QuickTime® compatible MPEG-4 and RealPlayer® formats.



#### DESIGN FEATURES

- Appliance-based architecture for easy deployment and high reliability
- 1U rackmountable
- Easy content creation using any H.323 or SIP videoconferencing endpoint
- LCD panel for easy installation
- Built-in web-based management interface
- Built-in web-based content library

#### APPLICATION FEATURES

- Live and on-demand streaming
- Recording of video calls
- Scheduled and ad hoc call support with dial-in and dial-out capabilities
- Stream and record video and live H.239 dual stream presentations
- Content creation from anywhere using TANDBERG Expressway™
- Compatible with major streaming formats and major portable media devices
- Call configuration and access rights management
- Editing and library features for simple content creation and retrieval

#### PERFORMANCE FEATURES

- Support for 5 concurrent calls, 2 of which can be streamed live
- Videoconference bandwidth up to 2 Mbps
- Synchronized streaming of video and presentation in live and on-demand modes
- Unicast and multicast streaming support
- Internal and external storage capabilities
- Support for Active Directory authentication via LDAP

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#### SYSTEM MANAGEMENT AND SCHEDULING

Easy configuration using LCD panel  
Total management via embedded web server  
API for customized integration  
One click to record scheduled conferences with TANDBERG Management Suite and TANDBERG Scheduler  
Simple addition of audio-only outputs to recording for scheduled conferences with Microsoft® Outlook® or IBM Lotus Notes®  
Utilize TANDBERG Management Suite 11.8 to monitor TCS status, such as free disk space

#### RECORDING

Pre-defined template-based recording options  
Full flexibility through built-in web-based Template Editor  
Personal and System Recording Aliases for ultimate flexibility  
Record presentations or video from live dual stream (H.239 or DuoVideo)  
Supports H.323 endpoints, MCUs, Gateways and SIP  
Record up to (5) simultaneous H.323 or SIP video calls  
Calls can be received at up to 2Mbps, up to 720P HD resolution for main camera and 1024x768 for H.239 source  
Calls may include main video/audio and H.239/Duo  
Recorded calls are transcoded into streaming and downloadable file formats, including Windows Media, MPEG4 and Real Media formats  
Every call is recorded directly to disk for "off-line" transcoding after the call completes  
**LIVE AND ON-DEMAND STREAMING**  
Up to 2 calls (of the total 5) can be streamed live in a single format and size  
Embedded Native Windows Media Streaming Server  
Support for streaming MPEG4 content when integrated with customer provided Apple Quicktime or Darwin Streaming Servers  
Support for streaming Real Media content when integrated with customer provided Real Networks Helix Servers  
MPEG4 and Real Media content can be viewed as a progressive download without external streaming servers

#### STREAMING

Live (unicast and multicast)  
On-demand (unicast)  
Native support for streaming Microsoft Windows Media™ via an embedded Windows Media™ server  
Support for external streaming servers (Real Networks, Helix, Apple QuickTime™ Streaming Server, Microsoft Windows Media™)

#### PORTABLE DEVICES

Support for Apple iPod and Microsoft Zune

#### CONTENT LIBRARY

Thumbnail images  
Download options  
Support for Safari browser (Mac)  
Searchable content library web interface  
Conference categories for easy content management  
Conference access and metadata can be pre-configured through the use of Personal Recording Aliases  
Send email notifications with content URLs to users  
View live and recorded content through Content Viewer web interface  
Create content by dialing out from the interface  
Editable index  
Content Editor enables trimming and joining conferences using playlists  
Supports major web browsers (Internet Explorer, Mozilla Firefox, Safari)  
Context-sensitive help in the interface  
Simplified graphical Template Editor for easy creation of new recording templates  
Automatic bandwidth detection gives the user the best viewing experience for their internet connection

#### CONTENT VIEWER

Intuitive Content Viewer with support for Windows Media Player™, RealPlayer™ and QuickTime™  
Picture out of Picture video layout  
Picture in Picture video layout  
Switching layout – main or dual video displayed in viewer  
Joined layout – main and dual video displayed side by side in a single video stream  
Dual stream or still image content presented alongside main video  
Layout button in the content viewer allows switching through available layouts  
Video, audio and content fully synchronized  
Pause and seek for recorded content

#### NETWORK INTERFACES

4 x Ethernet (10/100/1000 MBit)(3 for future use)

#### BANDWIDTH

H.323 and SIP up to 2 Mbps

#### VIDEO STANDARDS

H.261, H.263, H.263+, H.264

#### LIVE VIDEO RESOLUTIONS

QCIF (176x144 pixels)  
CIF (352x288 pixels)  
VGA (640x480)  
4CIF (704x576)  
SVGA (800x600)  
XGA (1024x768)  
448p (576x448)  
w288p (512x288)  
w448p (768x448)  
w576p (1024x576)  
720p (1280x720) – supported for H.264 only

#### AUDIO STANDARDS

G.711, G.722, G.722.1

#### FRAME RATES

Up to 30 frames per second

#### FIREWALL TRAVERSAL

TANDBERG Expressway™ Technology  
Auto NAT  
H.460.18, H.460.19 Firewall Traversal

#### STORAGE

Large capacity internal storage (600 hours of content)  
Support for external network storage using NAS

#### QUALITY OF SERVICE

Dynamic jitter buffering  
Packet loss concealment

#### SECURITY FEATURES

Secure management via HTTPS  
Integration with Active Directory via LDAP for access  
Password protected conferences  
Full access control lists on all content library items

#### APPROVALS

Directive 73/23/EEC (Low Voltage Directive)  
– Standard EN 60950-1  
Directive 89/336/EEC (EMC Directive)  
– Standard EN 55022, Class A  
– Standard EN 55024  
– Standard EN 61000-3-2/-3-3  
Approved according to UL 60950-1 and CAN/CSA C22.2 No. 60950-1-03  
Complies with FCC15B Class A

#### ENVIRONMENTAL DATA

Operating temperature:  
0° C to 40° C (32° F to 104° F)  
Relative humidity: 10% to 90%  
Storage and transport temperature:  
-20° C to 80° C (-4° F to 140° F)  
non-condensing

#### POWER

100–240VAC, 50–60Hz, 250W max.

#### PHYSICAL DIMENSIONS

Height: 1.7" (44mm)  
Width: 16.8" (426mm)  
Depth: 16.4" (419mm)  
19" rackmountable, 1U height

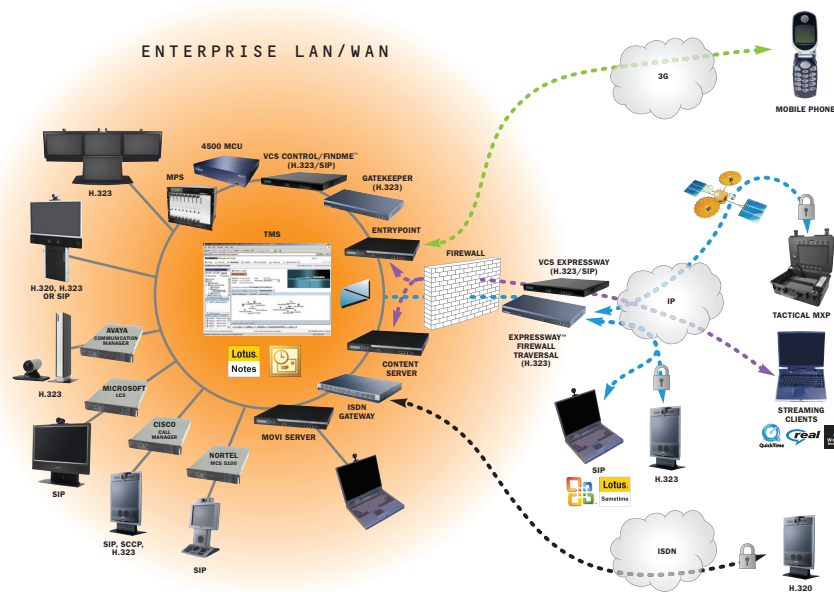
*All specifications subject to change without notice, system specifics may vary.*

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*Features showcased in this product sheet may require TANDBERG Content Server version S3 software.*



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