



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 videoconferencing endpoint. Manage and distribute live or archived content to any PC in Microsoft Windows Media®, Apple QuickTime® and RealPlayer® formats.



DESIGN FEATURES

- Appliance-based architecture for easy deployment and high reliability
- 1U rackmountable
- Easy content creation using any H.323 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
- Archiving of video calls
- Scheduled and ad hoc call support with dial-in and dial-out capabilities
- Stream and archive video and live H.239 dual stream presentations
- Content creation from anywhere using TANDBERG Expressway™
- Compatible with major streaming formats
- Call configuration and access rights management
- Editing and library features for simple content creation and retrieval

PERFORMANCE FEATURES

- Support for up to five concurrent videoconferences
- Videoconference bandwidth up to 2 Mbps
- Synchronized streaming of video and presentation in live and on-demand modes
- Unicast and multicast streaming support
- High capacity internal storage
- Support for external network storage
- Support for Active Directory authentication via LDAP

GET THE MOST FROM YOUR INVESTMENT. WITH **PROFESSIONAL SERVICES**, TANDBERG EXPERTS SUPPORT CONTENT SERVER DEPLOYMENT AND TRAINING. VISIT WWW.TANDBERG.NET

SYSTEM MANAGEMENT AND SCHEDULING

Easy configuration using LCD panel
Total management via embedded web server
API for customized integration
One-click addition of streaming and archiving support to scheduled conferences with TANDBERG Management Suite and TANDBERG Scheduler
Simple addition of streaming and archiving support to scheduled conferences with Microsoft® Outlook® or IBM Lotus Notes®

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)
Record still images in 4CIF (H.261 Annex D and H.263 still image)
Supports H.323 endpoints, MCUs and Gateways

UP TO 4 ORIGINAL CONTENT INPUTS

Record at the original format and bit-rate of the videoconference
Record main and dual streams in Windows Media format
Playback with Microsoft Windows Media® (ASF) format or Apple QuickTime® (MOV) format
1 TRANSCODED CONTENT INPUT
Record in up to three formats and two bit rates for each format (with dual stream support) for a total of up to 8 transcoded video outputs
Native Microsoft Windows Media® (WMV) format
Native Apple QuickTime® (MOV) format
Native Real Networks Real Media® (RM) format

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 Real Media™, Apple QuickTime™, Windows Media™)
Stream H.261, H.263, H.263+, G.711 for original calls
Support for streaming bandwidths from modem speed to LAN
Includes the TANDBERG Codec Pack for Windows Media Player to support H.263+ playback

EXPANSION

Support for clustering up to five TANDBERG Content Servers
Enables a single database and user interface for up to 25 concurrent calls

CONTENT LIBRARY

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 general index (automatically created for snapshot images)
Content Editor enables trimming and joining conferences using playlists
Supports major web browsers (Internet Explorer, Mozilla Firefox)

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
Dual stream or still image content presented alongside main video
Dual and main video streams can be swapped in the Content Viewer
Video, audio and content fully synchronized
Slide List (thumbnail snapshots extracted from still images or dual stream)
Pause and seek for recorded content
Navigate and seek via thumbnail image list display
Personal user bookmarks stored with user accounts

NETWORK INTERFACES

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

BANDWIDTH

H.323 from 64 kbps to 2 Mbps

VIDEO STANDARDS

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

LIVE VIDEO RESOLUTIONS

QCIF (176x144 pixels)
CIF (352x288 pixels)
VGA (640x480)
4CIF (704x576)
SVGA (800x600)
XGA (1024x768)

AUDIO STANDARDS

G.711, G.722, G.722.1

FRAME RATES

15 frames per second up to and including 256 kbps
30 frames per second greater than 256 kbps

FIREWALL TRAVERSAL

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

STORAGE

Large capacity internal storage (~1200 hours of content at 384 kbps transcoded)
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
Database backup and restore utility included
Password protected streaming content playback
Full access control lists on all content library items
Automatic password protection of ad-hoc calls

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

**Support for Apple QuickTime enabled if installed by site administrator.*

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

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TANDBERG

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