**TANDBERG**
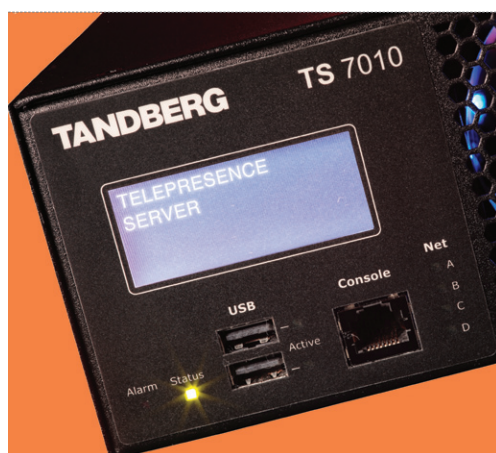
# Telepresence Server TS 7000 Series

The **TANDBERG Telepresence Server is a pioneering solution that brings together telepresence, high-definition and standard endpoint users in the same conference. It preserves the full Telepresence experience while connecting to a wide range of endpoints and delivering the best call experience for every participant.**
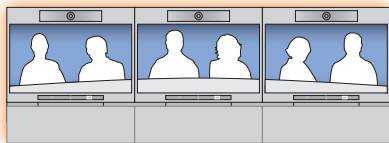
### DESIGN FEATURES

- Multi-vendor telepresence interoperability
- Standards based and compatible with major vendors' video conferencing endpoints
- Intelligently recognizes the type of system joining a conference
- Provides each participant the best possible view for their system
- Easy-to-use and versatile management interface
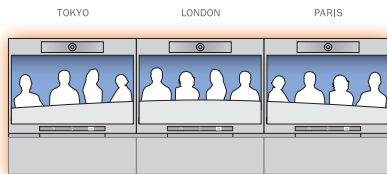- Compact size: 2U tall and 19" rack mountable

### APPLICATION FEATURES

- Full integration with TANDBERG T3
- Interworking with Polycom RPX™ and TPX™ Telepresence systems
- Interconnects telepresence, high-definition and standard endpoints
- TANDBERG Codian ClearVision™ Technology for resolution enhancement
- Continuous Telepresence and Telepresence View ensures the Telepresence experience is always maintained
- Support for OneTable and Room-Switched configurations
- Integrated with TANDBERG Management Suite (TMS)
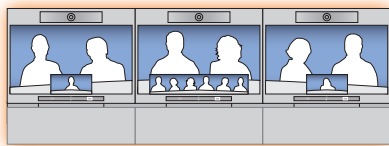
### PERFORMANCE FEATURES

- High-definition transcoding for every participant
- TANDBERG Codian Universal Port™ technology
- Constant high capacity
- High-definition video resolutions
- Additional wideband audio ports
- Bandwidth per screen up to 4 Mbps
- AES encryption
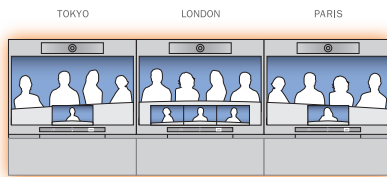- 1080p and 60fps ready with a software upgrade

**TANDBERG**

See: *performance*

Room-Switched Telepresence

OneTable Telepresence

TOKYO     LONDON     PARIS

Room-Switched Continuous Telepresence

TOKYO     LONDON     PARIS

OneTable Continuous Telepresence

Telepresence View

| MODEL | NO. OF SCREENS |
|-------|----------------|
| TS 7010 | 9* and 16 |

**HIGH-DEFINITION PERFORMANCE**
720p 30 fps H.264 6 Mbps Continuous Telepresence
1080p 30 fps and 720p 60fps ready
Comprehensive HD audio
Dual video H.239

**VIDEO STANDARDS**
H.261, H.263, H.263+, H.263++, H.264

**VIDEO RESOLUTION**
From QCIF up to 720p (1280 x 720) including interlaced
 iCIF and iSIF
4:3 and 16:9 aspect ratios

**FRAME RATES**
30 frames or 60 fields per second

**AUDIO STANDARDS**
G.711, G.722, G.722.1, G.723.1, G.728, G.729, MPEG-4 AAC-LC,
 MPEG-4 AAC-LD, Polycom® Siren14™/G.722.1 Annex C

**PROTOCOLS**
H.323, H.235 (AES), H.239 (dual video), FTP, RTP, RTSP,
 HTTP, HTTPS, DHCP

**BANDWIDTH**
Up to 4 Mbps with both H.263 and H.264, for each screen
 in all conference modes

**UNIVERSAL TRANSCODING AND TRANSRATING**
Combine telepresence, HD and SD within the same conference
Automatic audio/video transcoding and transrating on all calls
Any bandwidth, any resolution, any video or audio codec can be
 used on any video call within the same conference
Each participant has their own personal encode

**AUDIO FEATURES**
Wideband audio mixing

**TELEPRESENCE SERVER FEATURES**
Full integration with TANDBERG T3
Initiate calls from the TANDBERG T3 user interface
Integration with Experia
Interworking with Polycom telepresence systems whilst
 TANDBERG T3 users preserve the full continuous Telepresence
 view (requires feature key)
Dial in or dial out via Web server
Advanced Continuous Telepresence as standard on all ports
Automatic selection of best layout
Widescreen (16:9) support
Text identification of sites
Built-in conference scheduling and reservation
On-demand and ad hoc conferences
Dual video using H.239

**BUILT-IN WEB SERVER**
Complete configuration, control and monitoring of the
 system and conferences

**SECURITY FEATURES**
Secure non-PC hardware and operating system
AES encryption, 128 bit key, H.235

**SYSTEM MANAGEMENT**
XML management API
Management via embedded Web server
RS-232 for local control and diagnostics
Configurable event logs and full H.323 and SIP decoding
Configuration backup to network
Secure upgrades through Ethernet

**QUALITY OF SERVICE**
Configurable DSCP or TOS/IP precedence

**NETWORK RESILIENCE**
Codian Packet Safe™ technology provides intelligent
 downspeeding, packet pacing and packet loss concealment
 to ensure optimum video and audio quality
Dynamic jitter buffering

**INTERFACES**
RJ45 Ethernet, 10/100/1000 Mbps full/half duplex,
 manual or auto sensing
RJ45 serial port

**ENVIRONMENTAL DATA**
Operating temperature 0°C to 35°C ambient
Relative humidity below 95% (non-condensing)

**PHYSICAL DIMENSIONS**
Height 3.43", 87 mm (2U)
Width 17.25", 436 mm
Depth 19.1", 511 mm
Weight 22 lbs, 15 kg
19" rack mountable (kit supplied) or standalone
Power 100–240 VAC, 50/60Hz
650W maximum power consumption

**APPROVALS AND COMPLIANCE**
Product model number TR1A
European safety: EN 60950-1:2001
USA safety: UL 60950-1 First Edition
Canada safety: CSA 60950-1-03
CB Scheme certificate, CE Marked
EMC:
 EN55022 class A,
 EN61000-3-2, EN61000-3-3,
 EN55024: EN61000-4-2,-3,-4,-5,-6,-11,
 FCC Part 15 class A,
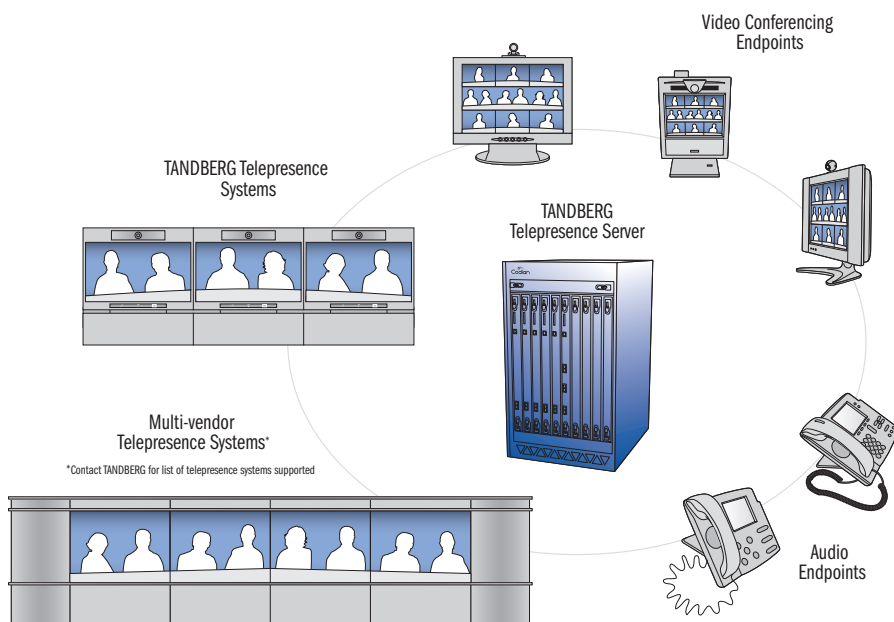 VCCI class A, AS/NZS 3548 (C-Tick)
RoHS compliant

*Upgradable to 16 screens*

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

*All images in these materials are for representational
purposes only, actual products may differ.*

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Video Conferencing
Endpoints

TANDBERG Telepresence
Systems

TANDBERG
Telepresence Server

Multi-vendor
Telepresence Systems*

*Contact TANDBERG for list of telepresence systems supported

Audio
Endpoints

TANDBERG

# Telepresence Server
# TS 7000 Series

TANDBERG

See: performance