

# TANDBERG

## 01/2009 VIDEO PRODUCT MATRIX



Model	Telepresence E3	Telepresence E1	Profile	Profile 52" 6000 MXP	Profile 3000 MXP	Maestro HD	Edge95 MXP Edge85 MXP Edge75 MXP	1700 MXP	VideoVolP E20
Feature	HD	HD	HD	HD	HD	HD	HD	HD	
Environment	Telepresence Studio	Executive Office or Conference Room	Exec. Boardroom Large Group	Large Group	Small & Medium Group	Large Group Auditorium	Small & Medium Group	Executive Office	Desk VideoPhone
Camera	3 x TANDBERG Precision HD 1080p	TANDBERG Precision HD 1080p	TANDBERG Precision HD 1080p Camera	TANDBERG Precision HD 720p	TANDBERG Precision HD 720p	TANDBERG Precision HD 720p	TANDBERG Precision HD 720p	Compact HD 1/3" CMOS	Built-in 1/2.5" CMOS
Display	3 x 65" 1080p LCD 3 x 22" HD LCD touch collaboration screens	Single 65" 1080p LCD	Choice of 42", 52" or 52" dual 1080p LCD display	52" 1080p LCD Display	42" Plasma or 30" LCD	N/A	N/A	20" Widescreen LCD	10.6" widescreen LCD
Bandwidth (up to)	18 Mbps SIP & H.323	10 Mbps (total MultiSite BW) & 6 Mbps SIP & H.323	10 Mbps (total MultiSite BW*) & 6 Mbps SIP & H.323	6 Mb (total MultiSite BW) IP: SIP & H.323 2Mb ISDN 2Mb V.35	2Mb IP: SIP & H.323 512kbps ISDN 512kbps V.35 (optional)	6 Mb (total MultiSite BW) IP: SIP & H.323 2Mb ISDN 2Mb V.35	2Mb IP: SIP & H.323 512kbps ISDN	2Mb IP: SIP & H.323	1152kbps SIP
Presentation	DVI (SXGA) In, DuoVideo/H.239 dual stream, 6 x PC Connectors integrated in table	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Receive DuoVideo on SIP BFCP, AddSee & Share
Network	Total 8 x separate LAN/Ethernet (RJ-45) 100/1000 Mbit (4 x Ethernet for future use)	2 x separate LAN Ethernet (RJ45) 100/1000 Mbit (1 x Ethernet for future use) USB host (Future use) USB device (Future use)	2 x separate LAN / Ethernet (RJ45) 100/1000 Mbit (1 x Ethernet for future use) USB host (Future use) USB device (Future use)	Ethernet 6x BRI, V.35, RS449, RS530 Compatible, PRI, T1/E1, USB 2	Ethernet Wireless Ethernet 4x BRI 1x USB 2 (future use)	Ethernet 6x BRI, V.35, RS449, RS530 Compatible, PRI, T1/E1, USB 2	Ethernet Wireless Ethernet 4x BRI 1x USB 2 (future use)	Ethernet 2-pot Ethernet Switch 2 x LAN/Ethernet (RJ-45) 10/100 Mbit (1 for PC, 1 for LAN) 1x USB 2 (future use)	Ethernet 2-pot Ethernet Switch 2 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit (1 for PC, 1 for LAN) 1x USB 2 (future use)
Expressway	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	N/A
MCU	Operates together with Tandberg Server to support multipoint telepresence conferencing including HD & regular video endpoints while maintaining telepresence view	Up to 4-way High Definition SIP/H.323 MultiSite Full individual audio & video transcoding & Rate-matching H.264, AES Dual Stream (any site)	*Up to 4-way High Definition SIP/H.323 MultiSite Full individual audio & video transcoding & Rate-matching H.264, AES Dual Stream (any site)	Up to 6 video + 5 audio Up to 6M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	4 video + 3 audio Up to 2.3M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	Up to 6 video + 5 audio Up to 6M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	4 video + 3 audio (Edge 95 & 85 only), Up to 2.3M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	4 video + 3 audio, Up to 2.3M total Bandwidth, Transcoding & Rate-matching H.264, AES Dual Stream (any site)	N/A
H.264	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security	AES encryption H.235 authentication 802.1x authentication	AES encryption H.235 authentication 802.1x authentication	AES encryption H.235 authentication 802.1x authentication	AES & DES encryption H.235 authentication 802.1x authentication	AES & DES encryption H.235 authentication 802.1x authentication SIP Authentication via NTLM SIP Authentication via Digest	AES & DES encryption H.235 authentication 802.1x authentication	AES & DES encryption H.235 authentication 802.1x authentication SIP Authentication via NTLM SIP Authentication via Digest	AES & DES encryption H.235 authentication 802.1x authentication SIP Authentication via NTLM SIP Authentication via Digest	TLS authentication and SRTP media encryption
Privacy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Headphones	Headset, Headset, Bluetooth ready
Stereo/CD Quality	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CD Quality
Microphone	6 x Built-in table mics (one per seat at the table)	8 x XLR connectors with individual echo cancellers & noise reduction. All mics can be set for balanced line level	4 x XLR connectors with individual echo cancellers & noise reduction. All mics can be set for balanced line level	3 x Large XLR	2 x Large XLR	3 x Large XLR	2 x Large XLR	Built-in	Built In
Audio Inputs	6 x Line level input from PC (integrated with VGA signal cable in table)	2 x RCA/Phoneline Level Stereo main 2 x RCA/Phoneline Level (Stereo recording device) 4 x HDMI digital Stereo/PC/DVD input	2 x RCA/Phoneline Level Stereo main 1 x HDMI digital Stereo main audio	1 x RCA Line Level, 1 x RCA Aux Line Level (or VCR Stereo), 1 x RCA VCR Line Level (or VCR Stereo R)	1 x RCA Aux Line/ Mic Level (or VCR Stereo), 1 x RCA VCR Line Level (or VCR Stereo R)	1 x RCA Line Level, 1 x RCA Aux Line Level (or VCR Stereo), 1 x RCA VCR Line Level (or VCR Stereo R)	1 x RCA Aux Line Level (or VCR Stereo L) 1 x RCA VCR Line Level (or VCR Stereo R)	3.5mm jack for headset 3.5mm jack for PC	RJ9 port for headset
Video Inputs	2 x DVI input for document camera or DVD player 2 x RS-232 for control of document camera or DVD player	4 x HDMI 4 x HDSDI 2 x DV/H 2 x Y/Pb/Pr 1 x S-Video/Composite video	2 x HDMI 1 x S Video 1 x Composite video	HD Main Camera 1 x S Video 2 x Composite 1 x DV/H (SXGA), 1 x Ethernet VNC (SXGA)	HD Main Camera 1 x S Video 2 x Composite 1 x DV/H (SXGA), 1 x Ethernet NC (SXGA)	HD Main Camera 1 x S Video 2 x Composite 1 x DV/H (SXGA), 1 x Ethernet NC (SXGA)	HD Main Camera 1 x S Video 2 x Composite 1 x DV/H (SXGA), 1 x Ethernet NC (SXGA)	HD Main Camera 1 x DV/H (SXGA), 1 x Ethernet NC (SXGA)	N/A
Video Outputs	2 x HDMI output for external collaboration screen or DVD player	2 x HDMI 2 x DV/H (XGA) 2 x Composite video	1 x HDMI 1 x DV/H 1 x Composite	2 x S Video 2 x Composite 2 x DV/H (XGA)	1 x S Video 2 x Composite 1 x DV/H (XGA)	2 x S Video 2 x Composite 2 x DV/H (XGA)	1 x S Video 2 x Composite 1 x DV/H (XGA)	N/A	N/A
Integration Control	N/A, dedicated solution	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A
IPv6 Compliant	Yes*	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	No

\* Not available in first software release \*\* TANDBERG recommends including software options and maintenance for the best experience

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



Model	1000 MXP	150 MXP	990 MXP 880 MXP 770 MXP	550 MXP	Utility MXP	CodecC90 & IntegrationPackage	CodecC60 & IntegrationPackage	6000 MXP Codec & Integration Package	3000 MXP Codec & Integration Package
Feature						HD	HD	HD	HD
Environment	Office	Desk	Small & Medium Group	Small Group	Public Space	Integration into Telepresence Suites, Collaborative Walls and more!	Integration into Team Collaboration rooms, boardrooms industry applications and more!	Large Room Integration	Small & Medium Room Integration
Camera	Built-in 1/4" CCD	Built-in 1/4" CCD	TANBERG WAWBI	TANBERG WAWBI	Built-in 1/4" CCD	TANBERG Precision HD 1080p Camera (Integration Package)	TANBERG Precision HD 1080p Camera (Integration Package)	TANBERG Precision HD 720p (Integration Package)	TANBERG Precision HD 720p (Integration Package)
Display	12.1" LCD	8.4" LCD	N/A	N/A	12.1" LCD	N/A	N/A	N/A	N/A
Bandwidth (up to)	768 kbps IP, SIP & H.323 384 kbps ISDN	512 kbps IP, SIP & H.323	Up to 2M IP 512 kbps ISDN 512 kbps (optional)	768 kbps IP, SIP & H.323 384 kbps ISDN	768 kbps IP, SIP & H.323	10 Mbps (total MultiSite BW) & 6 Mbps IP, SIP & H.323	10 Mbps (total MultiSite BW) & 6 Mbps IP, SIP & H.323	6 Mbps (total MultiSite BW) IP, SIP & H.323, 2 Mbps ISDN, 2 Mbps V.35	2 Mbps IP, SIP & H.323 512 kbps ISDN
Presentation	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, AddSee & Share	Receive XGA, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, Receive XGA, Side-by-Side, AddSee & Share, 1 x Ethernet/NC (SXGA)	Receive DuoVideo/H.239 dual stream, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share	Soft Presenter, DVI (SXGA) In, DuoVideo/H.239 dual stream, Side-by-Side, POP, AddSee & Share
Network	Ethernet, Wireless Ethernet 3xBR, 1xUSB2 (future use)	2 x Ethernet	Ethernet, Wireless Ethernet 4xBR, 1xUSB2 (future use), V.35 optional	Ethernet, Wireless Ethernet 3xBR, 1xUSB 2 (future use)	Ethernet 3xBR, USB 1	2 x separate LAN / Ethernet (RJ45) 100/1000Mbit (1 x Ethernet for future use), USB host (Future use), USB device (Future use)	2 x separate LAN / Ethernet (RJ45) 100/1000Mbit (1 x Ethernet for future use), USB host (Future use), USB device (Future use)	Ethernet 6xBR, V.35, RS449, RS530 Compatible, PRI, T1, E1, USB 2	Ethernet, Wireless Ethernet 4xBR, 1xUSB 2 (future use)
Expressway	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19	Yes, including H.460 18/19
MCU	N/A	N/A	4 video + 3 audio, Up to 2.3M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	N/A	N/A	Up to 4-way High Definition SIP/H.323 MultiSite Full individual audio & video Transcoding & Rate-matching H.264, AES Dual Stream (any site)	* Up to 4-way 720p High Definition SIP/H.323 MultiSite Full individual audio & video Transcoding & Rate-matching H.264, AES Dual Stream (any site)	Up to 6 video + 5 audio, Up to 6M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)	4 video + 3 audio, Up to 2.3M total Bandwidth Transcoding & Rate-matching H.264, AES Dual Stream (any site)
H.264	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security	AES & DES encryption H.235 authentication, 802.1x authentication, SIP authentication via NTLM, SIP authentication via Digest	AES & DES encryption H.235 authentication, 802.1x authentication	AES & DES encryption H.235 authentication, 802.1x authentication, SIP Authentication via NTLM, SIP Authentication via Digest	AES & DES encryption H.235 authentication, 802.1x authentication, SIP Authentication via NTLM, SIP Authentication via Digest	AES & DES encryption H.235 authentication, 802.1x authentication	AES encryption H.235 authentication, 802.1x authentication or 802.1x authentication	AES encryption H.235 authentication, 802.1x authentication	AES & DES encryption H.235 authentication, 802.1x authentication, SIP Authentication via NTLM, SIP Authentication via Digest	H.235 authentication, 802.1x authentication, SIP Authentication via NTLM, SIP Authentication via Digest
Privacy	Headset	Handset/Headset	N/A	N/A	Handset	N/A	N/A	N/A	N/A
Stereo/CD Quality	CD Quality	N/A	Yes	CD Quality	CD Quality	Yes	Yes	Yes	Yes
Microphone	Built In	Built in	2 x Large XLR	1 x Large XLR	Built In	8 x XLR connectors with individual echocancellers & noise reduction. All mics can be set for balanced line level.	4 x XLR connectors with individual echocancellers & noise reduction. All mics can be set for balanced line level.	3 x Large XLR (3rd Mic Input can be set for line level)	2 x Large XLR
Audio Inputs	2.5mm jack for Headset	N/A	1 x RCA Aux Line Level (or VCR Stereo L), 1 x RCA VCR Line Level (or VCR Stereo R)	1 x RCA Aux Line Level	N/A	2 x RCA/Phono Line Level Stereo main, 2 x RCA/Phono Line Level (Stereo to recording device), 4 x HDMI digital: Stereo PC/DVD Input	2 x RCA/Phono Line Level Stereo main, 1 x HDMI digital: Stereo main audio	1 x RCA Line Level, 1 x RCA Aux Line Level (or VCR Stereo L), 1 x RCA VCR Line Level (or VCR Stereo R)	1 x RCA Aux Line Level/Mic Level (or VCR Stereo L), 1 x RCA VCR Line Level (or VCR Stereo R)
Video Inputs	Main Camera 1 x DVI-I (SXGA), 1 x Ethernet-NC (SXGA)	Main Camera	Main Camera 1 x S Video, 1 x Composite, 1 x DVI-I (SXGA)	1 x S Video, 1 x Composite, 1 x Ethernet-NC (SXGA)	Main Camera 1 x DVI-I (SXGA)	4 x HDMI, 4 x HD-SDI, 2 x DV/SDI, 2 x Y/Pb/Pr, 1 x S-Video/Composite video	2 x HDMI, 2 x DV/H, 1 x Composite video	HD Main Camera 1 x S Video, 2 x Composite, 1 x DVI-I (SXGA), 1 x Ethernet-NC (SXGA)	HD Main Camera 1 x S Video, 2 x Composite, 1 x DVI-I (SXGA), 1 x Ethernet-NC (SXGA)
Video Outputs	N/A	N/A	1 x S Video, 1 x Composite, 1 x DV/H	1 x S Video, 1 x Composite, 1 x DV/H	N/A	2 x Video, 2 x DV/H (XGA), 2 x Composite video	1 x HDMI, 1 x DV/H, 1 x Composite	2 x S Video, 2 x Composite, 2 x DV/H (XGA)	1 x S Video, 2 x Composite, 1 x DV/H (XGA)
Integration Control	N/A	N/A	Yes	N/A	N/A	Yes	Yes	Yes	Yes
IPv6 Compliant	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes	Yes

\* Not available in first software release \*\* TANBERG recommends including software options and maintenance for the best experience