





VSX 6000 - Key Competitive Comparison

Revised Jan. 12, 2004

Manufacturer	Polycom	Sony	Tandberg	ZTE
Product Name	VSX 6000	PCS-11	550	ZXMVC4050a
				
Monitors				
Independent Monitors	1 monitor Optional 2nd monitor	2 monitors	1 monitor	2 monitors
Network Interfaces				
IP Interface	10/100 Ethernet (RJ45)	10/100 Ethernet (RJ45)	10/100 Ethernet (RJ45)	10/100 Ethernet (RJ45)
IP Bandwidth	56-768 kbps	56-1 Mbps	56-768 Kbps	56-2 Mbps
ISDN Interface(s)	N/A	3BRI, 6BRI (optional)	3BRI	4 BRI
ISDN Bandwidth	N/A	64-768 Kbps	64-384 Kbps	up to 512 kbps
PCMCIA Slot	no	no	yes	no
Cisco Call Manager Integration	yes, ECS	no	no - unique model req'd	no
SoundStation VTX 1000 Integration	yes, optional	no	no	no
SIP	yes	option NEC SIP server only	no	
Video				
Video protocols	H.261,H.263+, H.263++, H.264	H.261, H.263+, H.263++ H.264 (only when Picture Priority selected)	H.261, H.263++, H.264	H.261, H.263+, H.263+
Video Inputs (excluding XGA)	Camera + 1 VCR-comp	Camera + 1 Cam1-SV, Cam2-comp	Camera + 1 Cam2/VCR-comp	Camera + 4 Cam2-SV, Cam3-SV, Cam4-comp, VCR-
XGA Inputs	1 with Visual Concert Option	0	0	1
Video Outputs	5 Mon 1-SV, Mon 1-comp, (Optional Mon 2-SV, Mon 2-comp, Mon 2-XGA)	3 Mon1-SV, Mon1-comp, Mon2-SV	3 Mon 1-SV, Mon1/2-XGA, VCR-comp	4 Mon 1-SV, Mon 1-comp, Mon 2-comp, VCR-comp
Video Frame Rates	30 fps@ 56 - 768Kbps	up to 30fps (when motion priority selected)	30 fps@above 128 15 fps@up to 128	30 fps@above 320 15 fps@up to 256
People Video Resolutions	4CIF, CIF, 4SIF, SIF, QCIF	CIF, QCIF	4CIF, CIF, 4SIF, SIF, QCIF	4CIF, CIF, QCIF

Note: Information derived from public information. Specifications subject to change.

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Graphics Resolution	Display: XGA Input: SXGA with Visual Concert	4CIF Display	Display: XGA Input: VNC	4CIF Display
Video Error Concealment	yes	Adaptive Repeat reQuest (ARQ) System unstable with heavy packet loss	limited to IPLR	no
Audio				
Audio protocols	G.711, G.722, G.722.1, G.728, G.729, Siren14, StereoSurround™	G.711, G.728, G.722,	G.711, G.722, G.722.1, G.728	G.711, G.722, G.728
Highest audio quality Voice	14 kHz StereoSurround	7 kHz	7 kHz	7 kHz
Highest audio quality Line In	14 kHz StereoSurround	7 kHz	7 kHz	7 kHz
Audio Reproduction	Monitor Speakers Optional Stereo Package	Monitor Speakers	Monitor Speakers	Monitor Speakers
Microphone	Mic Array with 3 cardioid elements for 360 degree pickup and StereoSurround support	Embedded Microphone Optional Omni directional tabletop	Omni directional	Directional
Microphone Inputs	1 VSX Mic Array	1 embedded, 2 external	1 XLR	up to 2
Audio Inputs	2 VCR, Line	Embedded Mic, 2xAux Mic, Line (1xRCA)	2 1xVCR/Line	2 Mic, Line
Audio Outputs	Speaker, VCRx2	RCAx2: Aux, Line	Monitor	Speaker, 2xRCA
Full duplex	yes	yes	yes	
Echo & Audio Processing	AEC, AGC, NS	AEC, AGC, NS	AEC, AGC, NS	AEC, AGC, NS
Audio Error Concealment	yes	no	no	no
Network Features				
One Dial intelligent call mgmt	yes	no	no	no
Embedded Streaming	Quicktime	no	IP/TV, Quicktime	yes
Endpoint control of external MCU	Conference on Demand	no	no	yes
H.331 Broadcast	no	no	yes	yes
PPPoE	no	no	no	yes
Camera				
Resolution	1/4" IT CCD	1/4" CCD	1/4" CCD	
Pan	+/- 100 degrees	+/- 100 degrees	+/- 95 degrees	
Tilt	+/- 25 degrees	+/- 25 degrees	+15 / -20 degrees	

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Zoom	12x	10x + 4x digital	10x	
Horizontal Field of View	265 degrees	300 degrees	267 degrees	
Vertical Field of View	65 degrees	125 degrees	61 degrees	
Camera presets	99 local/99 far	6	15 local/15 far	
FECC H.320/H.281	yes	yes	yes	
FECC H.323	Proprietary/AnnexQ	no	Proprietary/AnnexQ	yes
PTZ Camera Control	Main	Main	Main	Main
Presentation				
Dual Streams	Optional Visual Concert or People+Content IP	Receive Only	PC Softpresenter	yes
Content in second stream	PC	PC	LAN input (VNC)	PC
AnnexD Still Image	Receive	yes via Memory Stick	Capture, Send, Receive	
Content resolution display	XGA	4CIF	XGA	4CIF
PC Content input resolution	SXGA	n/a	VNC	XGA
T.120/NetMeeting	no	yes	yes	yes
Streaming	yes	no	yes	yes
User Interface				
IR remote control	yes	yes	yes	yes
Configurable Home Screen	yes	no	no	no
Date/Time Display	yes	no	no	no
Customizable camera icons	yes	no (names only)	no	no
Recent Calls log	yes	no	no	no
Configurable Screen Saver	yes	no	no	no
System Odometer	yes	no	no	no
Serial Port API	no	no	yes	no
Languages supported	11	7	9	2
Directory Services				
Local entries	1000+	500	100	
Global Entries	10,000+		400	
Auto update of global directory	yes	no	no	
Local replication of global directory	yes	no	yes	
Quality of Service/Experience				
IP Error Recovery	Audio and Video	Adaptive Repeat reQuest (ARQ)	Intelligent Packet Loss Recovery (IPLR)	no
Dynamic Bandwidth Allocation	yes	Adaptive Rate Control (ARC)	yes	
QoS: Diffserv	yes	no	yes	
QoS: IP Precedence	yes	no	yes	

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Camera Voice Tracking	no	no	no	
Camera Tracking to presets	no	no	yes	
Keypad audio confirmation	voice (local language)	tone only	tone only	
Auto NAT	yes	yes	yes	yes
Standard-Based Encryption	AES	no IP only Proprietary, Manual Key Exchange (non interoperable)	AES	no
System Management				
Remote web mgmt	yes	yes	yes	yes
Centralized mgmt	GMS	no	TMS	
Auto/user driven sw update	IP	no	IP/ISDN	yes
SNMP	yes	yes	yes	
Call Detail Report	yes	yes	yes	
Set Max call time	yes	no	no	
Multipoint Capabilities	NA	NA	NA	NA
3-way line rate (max)	NA	NA	NA	NA
4-way line rate (max)	NA	NA	NA	NA
Max sites	NA	NA	NA	NA
Mixed IP/ISDN	NA	NA	NA	NA
Continuous Presence View	NA	NA	NA	NA
Chair control	NA	NA	NA	NA
Cascading	NA	NA	NA	NA
Dimensions				
- Width (mm)	300	258	380	200
- Depth (mm)	244	171	200	150
-Height (mm)	148	184 (cam+unit)	130	300
Weight (kg)	2.8	2.4 (cam+unit)	2.3	2.7

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