TEST REPORT POLYCOM VSX 3000

GENERAL

The device VSX 3000 is a H.320/H.323 client including an optional multi-point functionality for up to four participants. It is an all-in-one solution with integrated 17” LCD display (image). The display can also be used separately as a PC display.

The VSX 3000 was tested at the VCC in February 2005 using software version 7.5.0.0. Meanwhile version 7.5.1 is available.

INSTALLATION

The installation of the device was possible without any problems. Afterwards it is operable soon. All necessary settings can be done easily.

The camera appears to be fragile and should be operated cautiously. It has to be adjusted manually, the existing buttons on the remote control cannot be used for this purpose.

TEST

The device VSX 3000 has - compared to previous polycom systems - a new user interface. The "Look and Feel" of the user interface reminds slightly on the colourful world of Windows XP. These colors can be changed using the so-called colour schemes. Here, the user can study the differences between steel, concrete and midnight grey.

An experienced polycom user has no problems negotiating since the notation of single menu items is consistent.

In terms of the remote control double assignments are avoided as far as possible. On the one hand this is pleasant, on the other hand it increases the total number of buttons, therefore more attention is necessary when operating. The announcement of typed signs is a very useful tool to recognize typing errors.

The collaboration with prior desktop systems did not work. When using newer products (ViaVideo, vPoint HD und PVX) connections with good video and audio quality could be established, the same is true for all tested settop systems.

The protocol T.120 was substituted by People&Content, a solution sufficing the H.239 standard. For transmitting data using People&Content an additional software is necessary, which has to be purchased separately. This software has to be installed on the PC, whose content shall be transmitted. The quality of content transmission is despite 4CIF at 2 Mbps sufficient, using connections with 768 kbps it is obviously worse. Therefore, at slides the font has to be chosen relatively big (> 16 pt). The collaboration with H.239 did work well with respect to point-to-point connections using a TANDBERG 1500 as well as connections via the MCU of the DFN.

For receiving data using People&Content no additional software is necessary, the quality of the received data was effectual good. Unfortunately no port for a video projector is present, so that the content cannot be seen by several viewers.

Miscellaneous collaboration with the DFN-MCU (RADVision MCU-100, SW 3.2.38) were ok and qualitatively convincing.
Remote inspection, servicing and software updates can be carried out over the available web interface.

## CONCLUSION

The system Polcom VSX 3000 is a product with an acceptable cost/performance ratio, which can be suggested as a desktop system.

### Technical Data

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<th>Producer</th>
<th>Polycom</th>
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<td>Distributor</td>
<td>MVC</td>
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**supported standards**  
H.320, H.323

**sound coding**  
G.711, G.722, G.722.1, G.728, G729A, Siren14 (14 kHz Audio)

**video compression**  
H.261, H.263, H.263+, H263++, H264, ProMotion

**video input**  
integrated camera,  
1 composite/RCA (second camera, document camera or VCR)

**video output**  
(inexisting)

**bandwidth**  
IP: max. 2 Mbps; ISDN: max. 512 kbps

Thanks to Polycom and MVC for supplying the test.