



Comparison of Polycom® Video Endpoints

November 2015



Preface

This document provides a high-level overview of each of Polycom's appliance-based video endpoint which has been released to date.

For the most up-to-date information, consult the Administrator's Guide and the latest Release Notes of each of the product, available at

<http://support.polycom.com/PolycomService/support/us/support/video/index.html> .

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Polycom ViewStation® Series Systems

First introduced in 1998, ViewStation Series system was the first video endpoint appliance developed by Polycom.



ViewStation 128



ViewStation 128's features include:

- Document camera and VCR record and playback
- 2 port LAN hub
- POTS – United States and Canada
- H.320 up to 128kbps
- H.323 up to 768kbps
- H.261/H.263 video

ViewStation H.323



Features include:

- Document camera and VCR record and playback 2nd mic pod (optional)
- 2 port LAN hub
- POTS – United States and Canada
- Optional Quad BRI supporting up to 512k on H.320
- Optional DCP supporting up to 512k on H.320
- Optional V.35 supporting up to 768k on H.320
- H.323 up to 768kbps
- H.261/H.263 video

ViewStation MP



Features include:

- Document camera and VCR record and playback 2nd mic pod (optional)
- 2 port LAN hub
- POTS – Supported only in United States and Canada
- Optional Quad BRI supporting up to 512k on H.320
- H.323 up to 768kbps
- H.261/H.263 video
- MP supported over H.320 only, maximum of 4 sites

ViewStation SP and ViewStation SP384



The entry model of the ViewStation Series, ViewStation SP's features include:

- Document camera or VCR playback Microphone head set (optional)
- 1 LAN port
- 1 mic pod
- No MP capability
- H.320 up to 128kbps on ViewStation SP
- H.320 up to 384kbps on ViewStation SP384
- H.323 up to 768kbps
- H.261/H.263 video

ViewStation EX



First introduced with ViewStation FX/EX/VS4000 Release 5.0, ViewStation EX is the depopulated version of ViewStation FX. Its features include:

- Document camera or VCR playback Microphone head set (optional)
- 1 LAN port
- 1 mic pod
- Up to 4 monitors
- H.320 up to 512kbps
- H.323 up to 768kbps
- H.261/H.263 video
- H.264 video in Release 6.0.0 (license required)
- International POTS add-in

ViewStation FX



The high-end system in the ViewStation product line, ViewStation FX has the following features:

- Supports 2nd PTZ camera
- Document camera and VCR record and playback
- RS 232 data port
- SXGA resolution graphics support
- Multipoint over either ISDN and/or IP, up to 4 sites
- Streaming capabilities
- International POTS add-in
- 2 mic pods
- 2 port LAN switch
- Optional Quad BRI
- Optional PRI
- Optional V.35
- H.320 up to 1920 kbps (on E1) or 1472 kbps (on T1)
- H.323 up to 1920 kbps

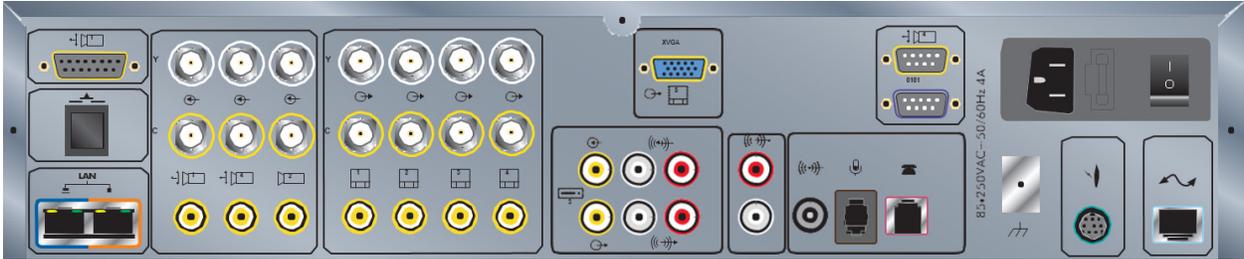
VS4000

VS4000 is the integrator's model of ViewStation FX. Its features include:

- Supports 2nd PTZ camera
- Document camera and VCR record and playback
- RS 232 data port
- SXGA resolution graphics support
- Multipoint over either ISDN and/or IP, up to 4 sites
- Streaming capabilities
- International POTS add-in
- 2 mic pods
- 2 port LAN switch
- Optional Quad BRI
- Optional PRI
- Optional V.35
- H.320 up to 1920 kbps (on E1) or 1472 kbps (on T1)
- H.323 up to 1920 kbps

Two types of chassis exist for the VS4000.

Comparison of Polycom® Video Endpoints



The Newer VS4000 Chassis

Comparison of Polycom® Video Endpoints

ViewStation Series Feature Comparison

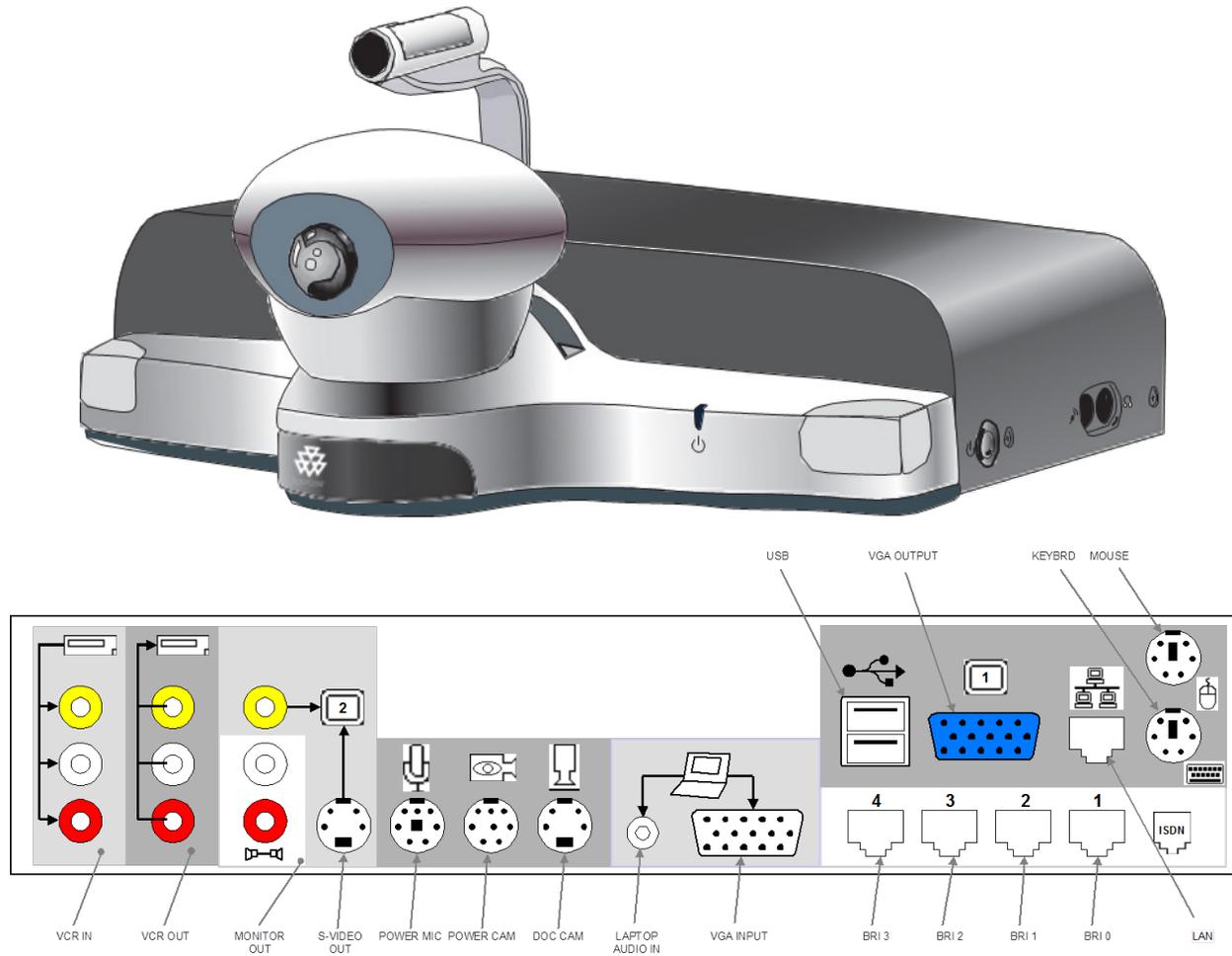
	ViewStation 128	ViewStation H.323	ViewStation MP	ViewStation SP	ViewStation SP384
Minimum Software Version					
Ethernet NIC	10M/Hub	10M/Hub	10M/Hub	10/100	10/100
Internal Multipoint (MP)			H.320 only		
H.239					
People+Content					
People+Content IP					
LPR					
DBA					
H.264 Baseline Profile					
H.264 High Profile					
H.264 in MP					
H.264 HP in MP					
H.264 Content					
API Support					
H.320	Up to 128kbps	Up to 768kbps	Up to 512kbps	Up to 128kbps	Up to 384kbps
H.323	Up to 768kbps	Up to 768kbps	Up to 768kbps	Up to 768kbps	Up to 768kbps
SIP					

	ViewStation EX	ViewStation FX	VS4000
Minimum Software Version			
Ethernet NIC	10/100 Switch	10/100 Switch	10/100 Switch
Internal Multipoint (MP)	Up to 4	Up to 4	Up to 4
H.239			
People+Content	√	≥ 6.0	≥ 6.0
People+Content IP			
LPR			
DBA			
H.264 Baseline Profile	≥ 6.0	≥ 6.0	≥ 6.0
H.264 High Profile			
H.264 in MP			
H.264 HP in MP			
H.264 Content			
API Support			
H.320	Up to 512kbps	Up to 1920kbps	Up to 1920kbps
H.323	Up to 768kbps	Up to 1920kbps	Up to 1920kbps
SIP			

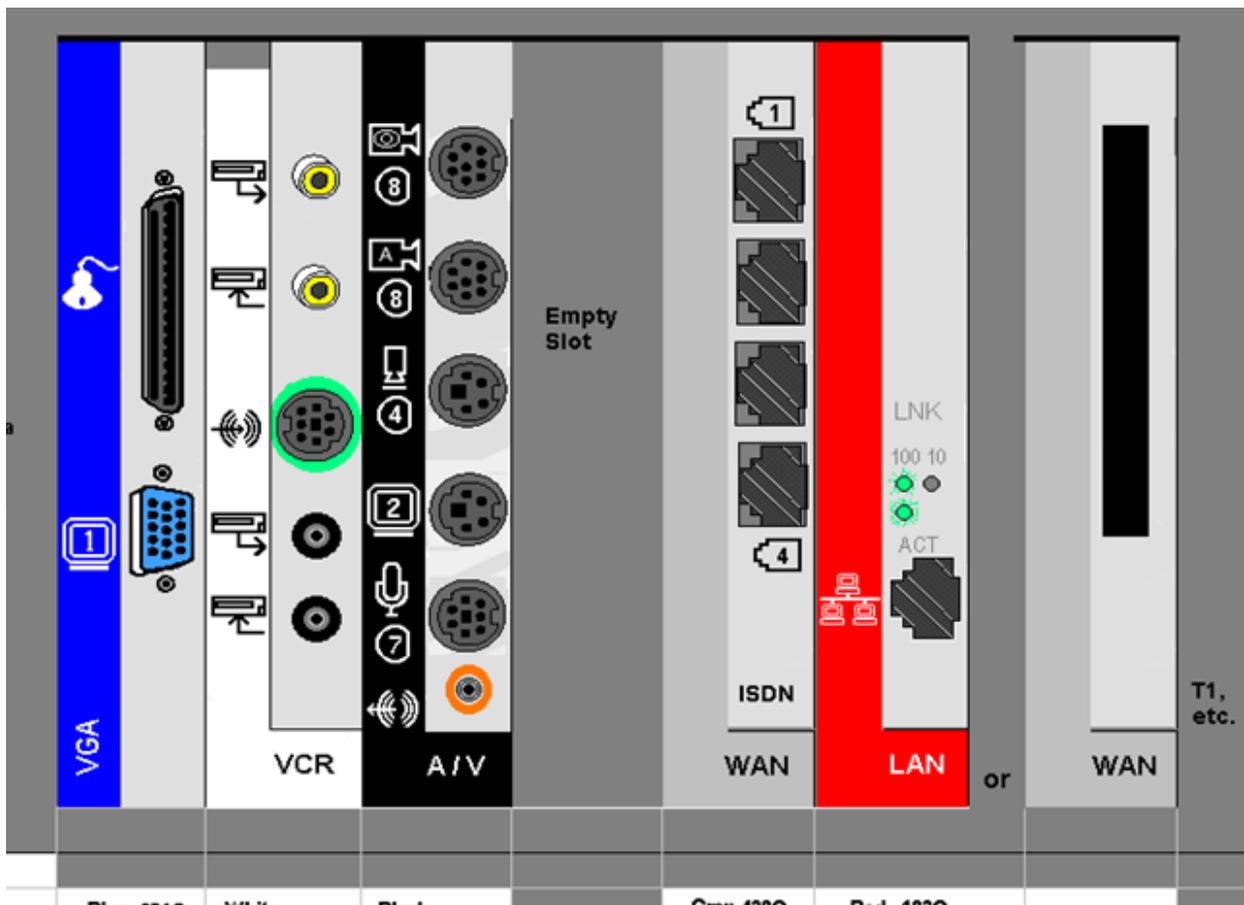
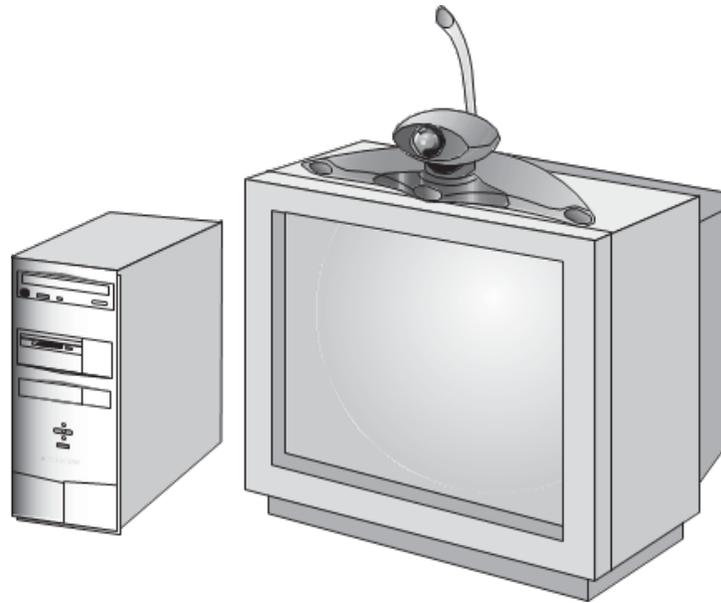
Polycom iPower Series Systems

First introduced in 2000, the iPower Series Systems are PC-based video appliances.

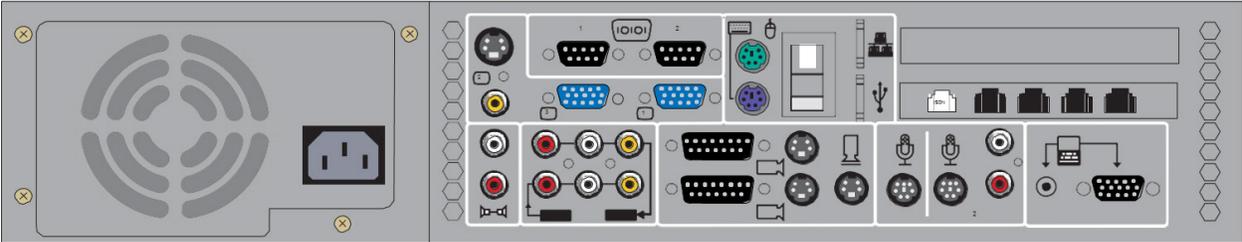
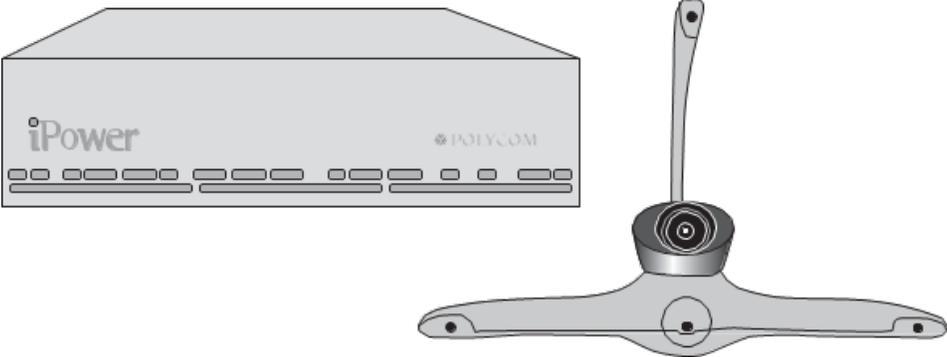
iPower 680



iPower 900



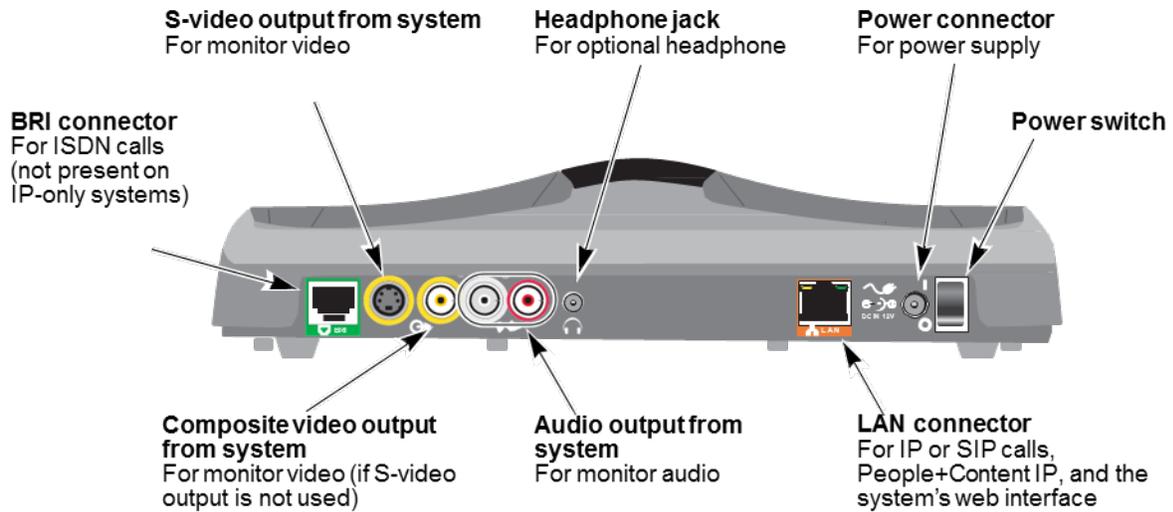
iPower 9000



Polycom V and VSX® Series Systems

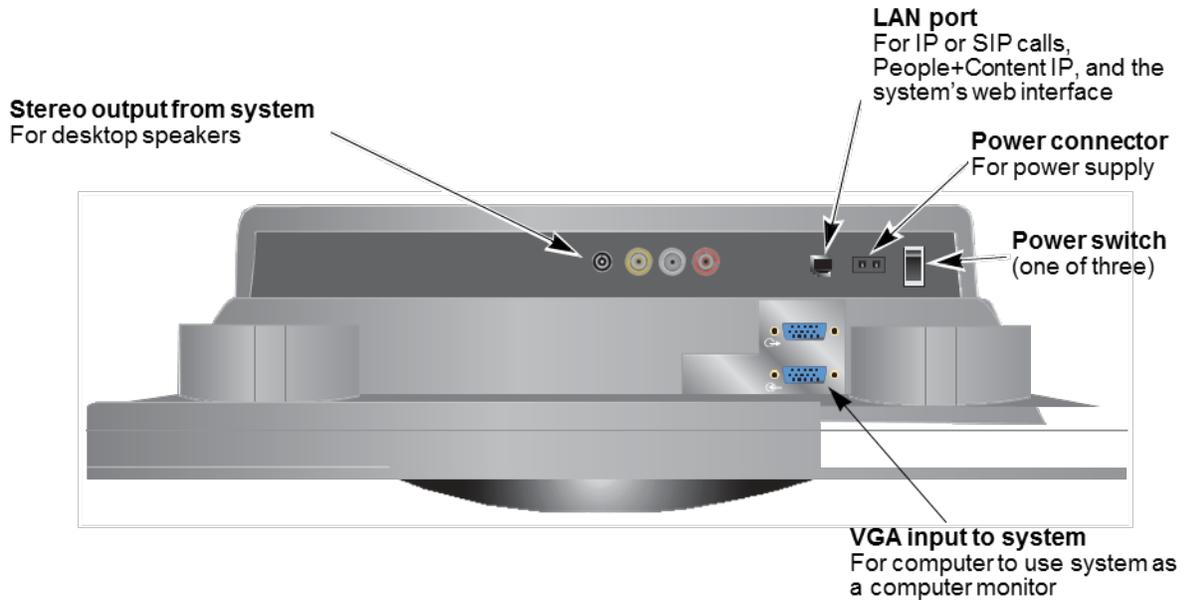
Polycom V Series and VSX Series Systems were first introduced in October 2003.

V500

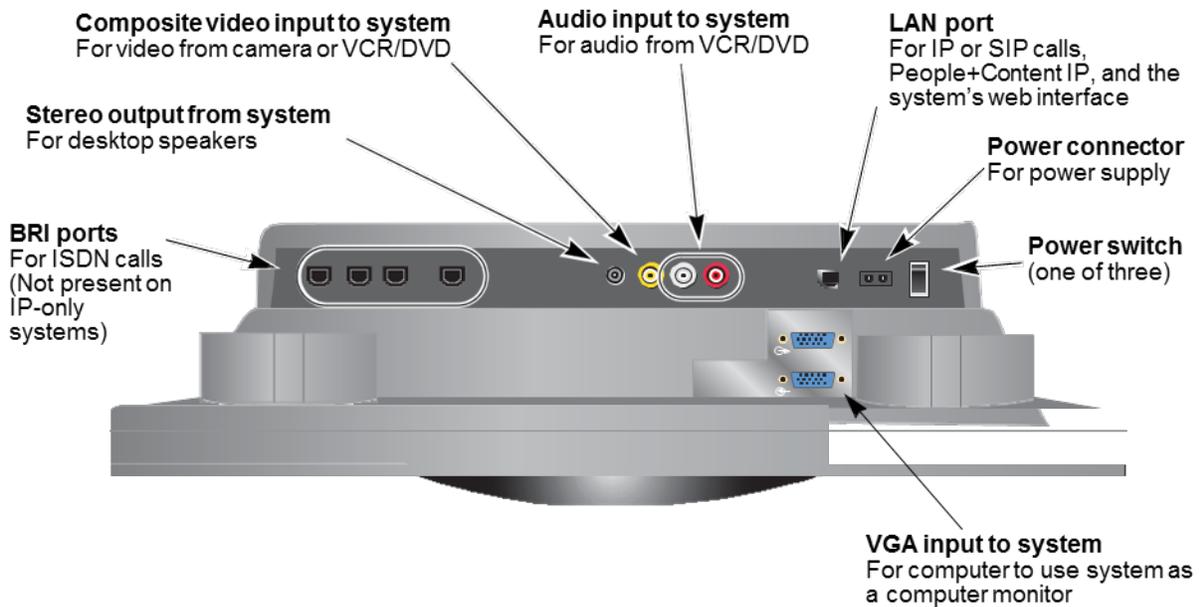


Comparison of Polycom® Video Endpoints

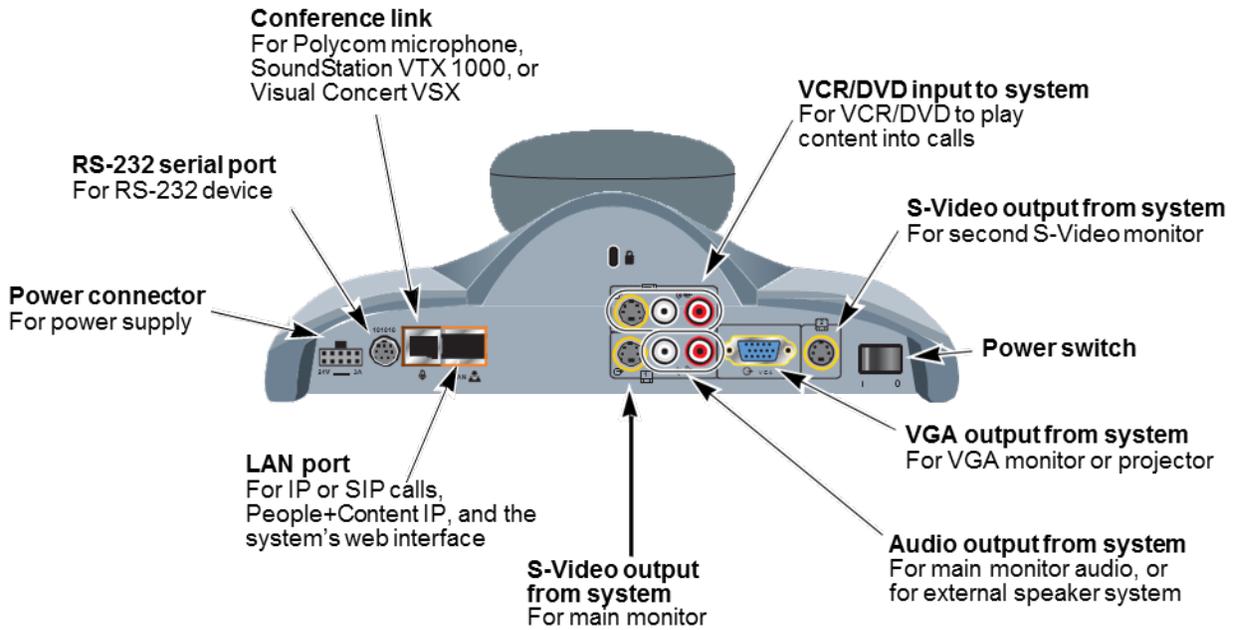
V700



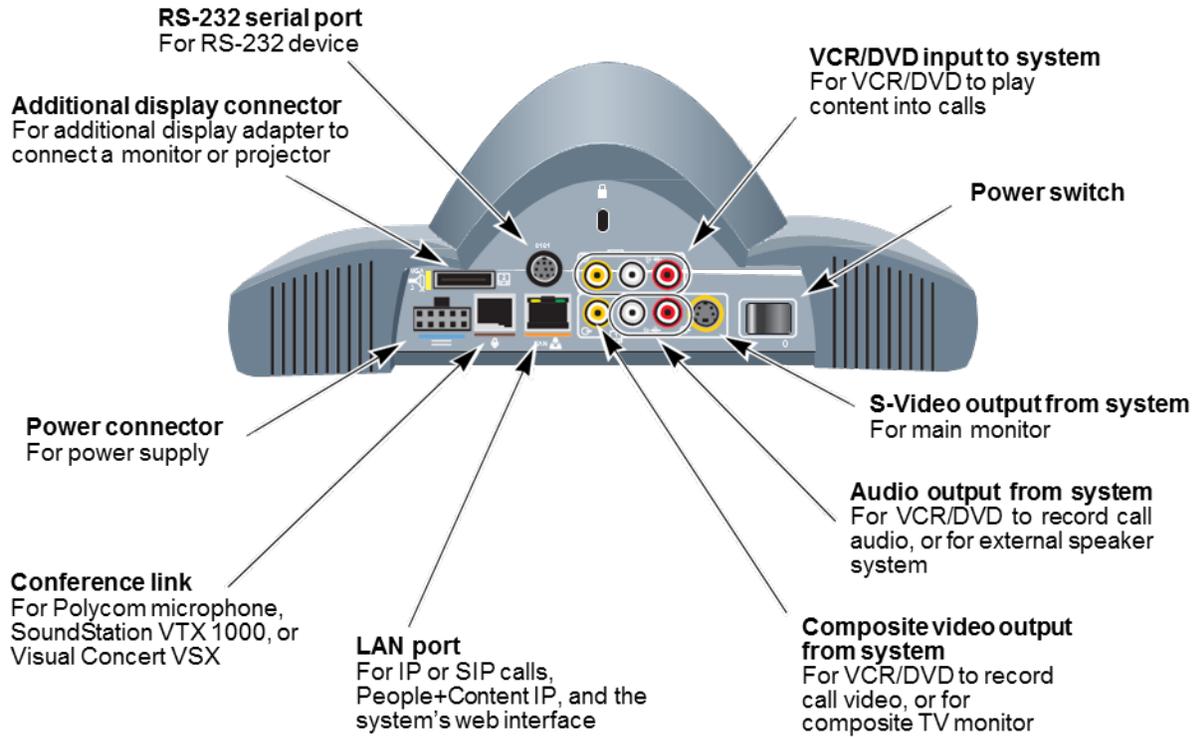
VSX 3000 and VSX 3000A



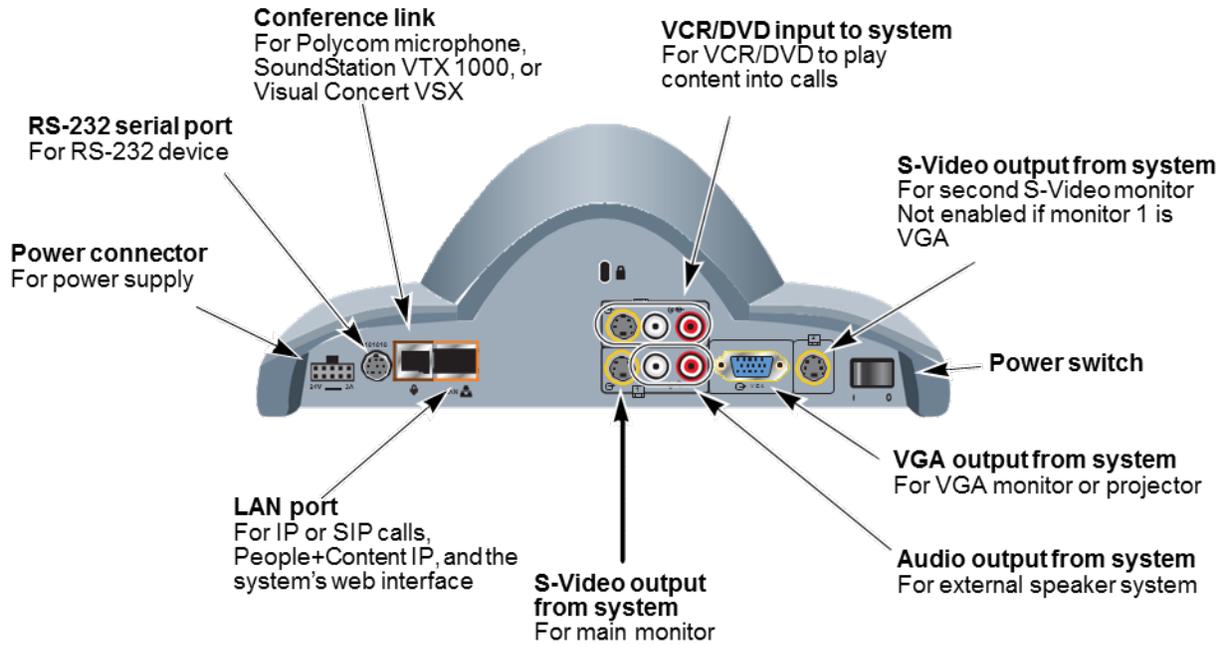
VSX 5000



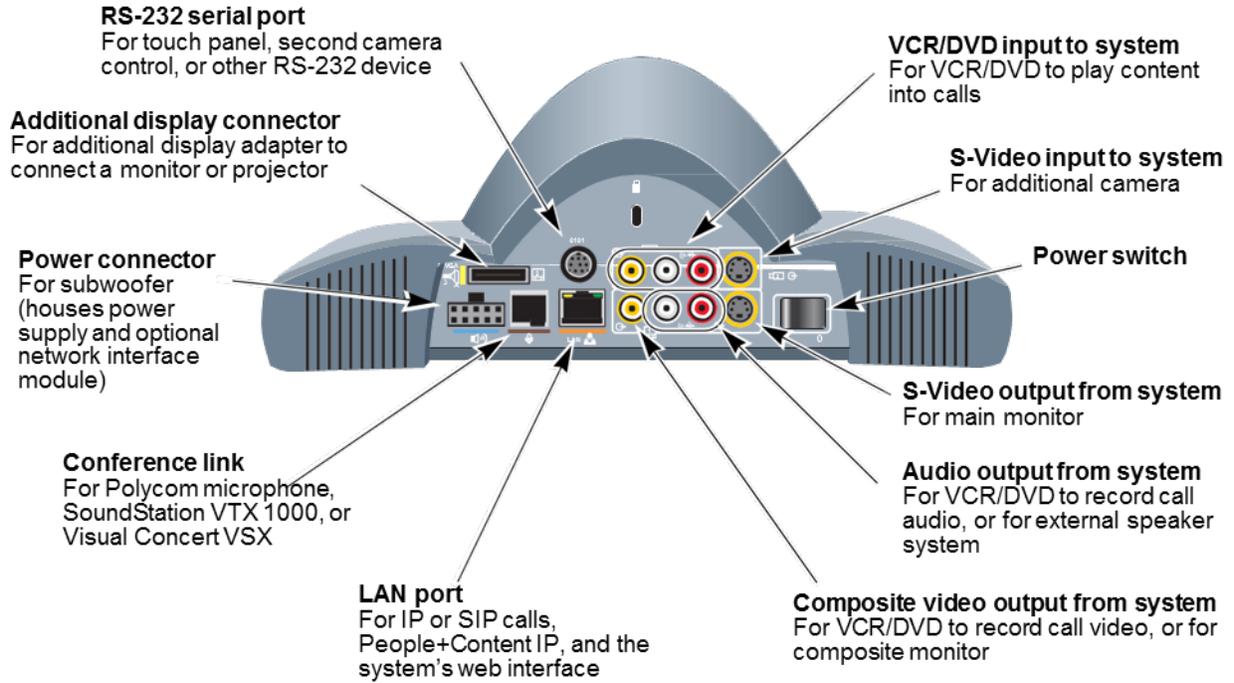
VSX 6000



VSX 6000A

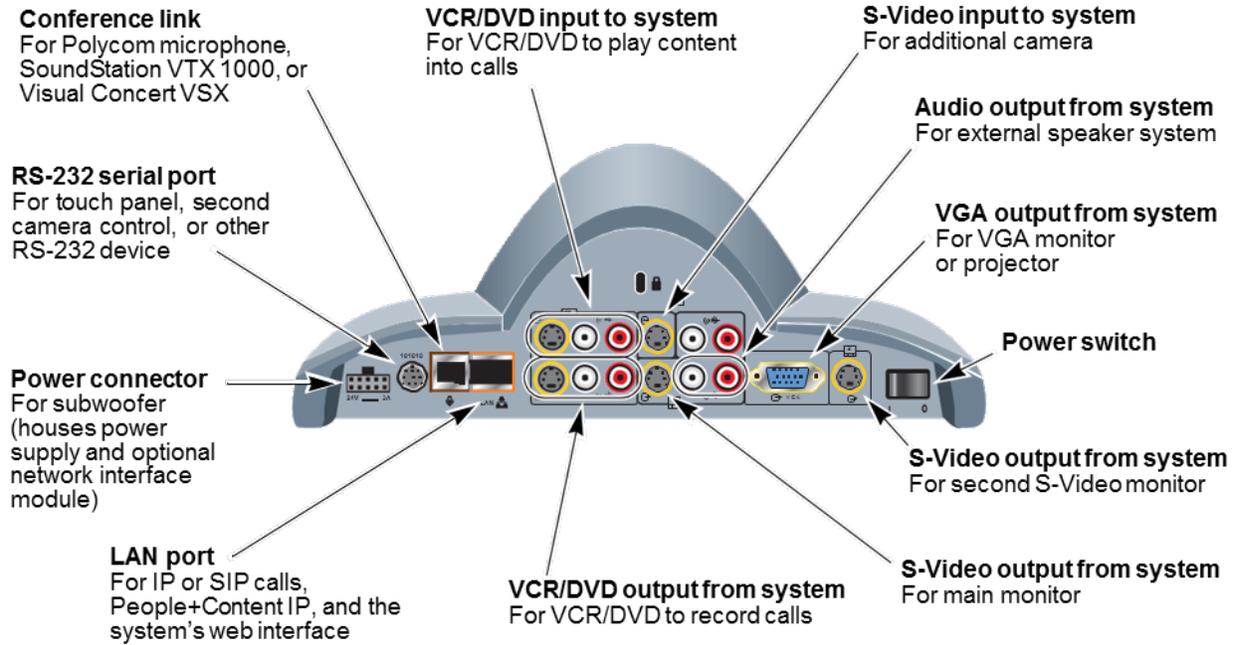


VSX 7000



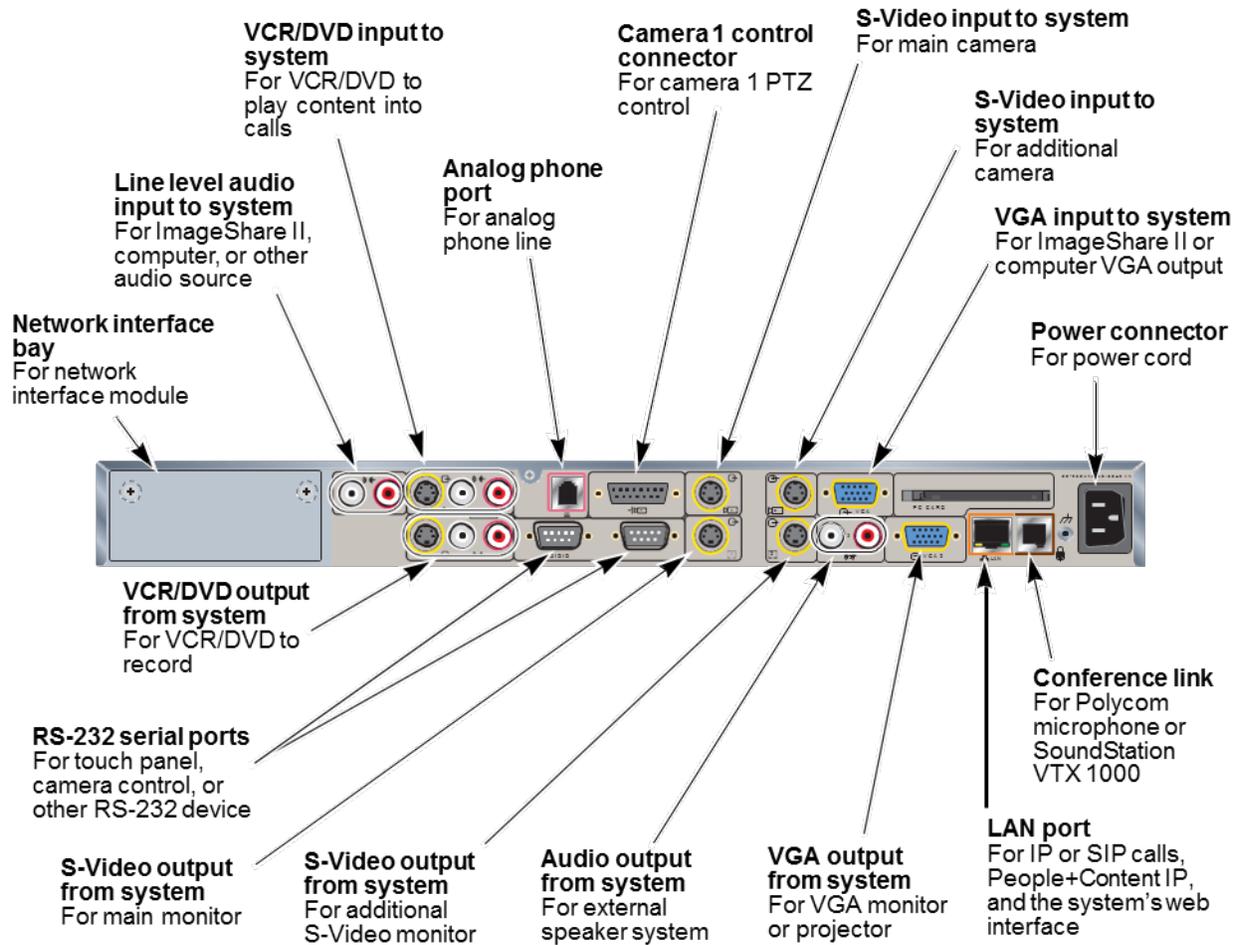
Comparison of Polycom® Video Endpoints

VSX 7000A

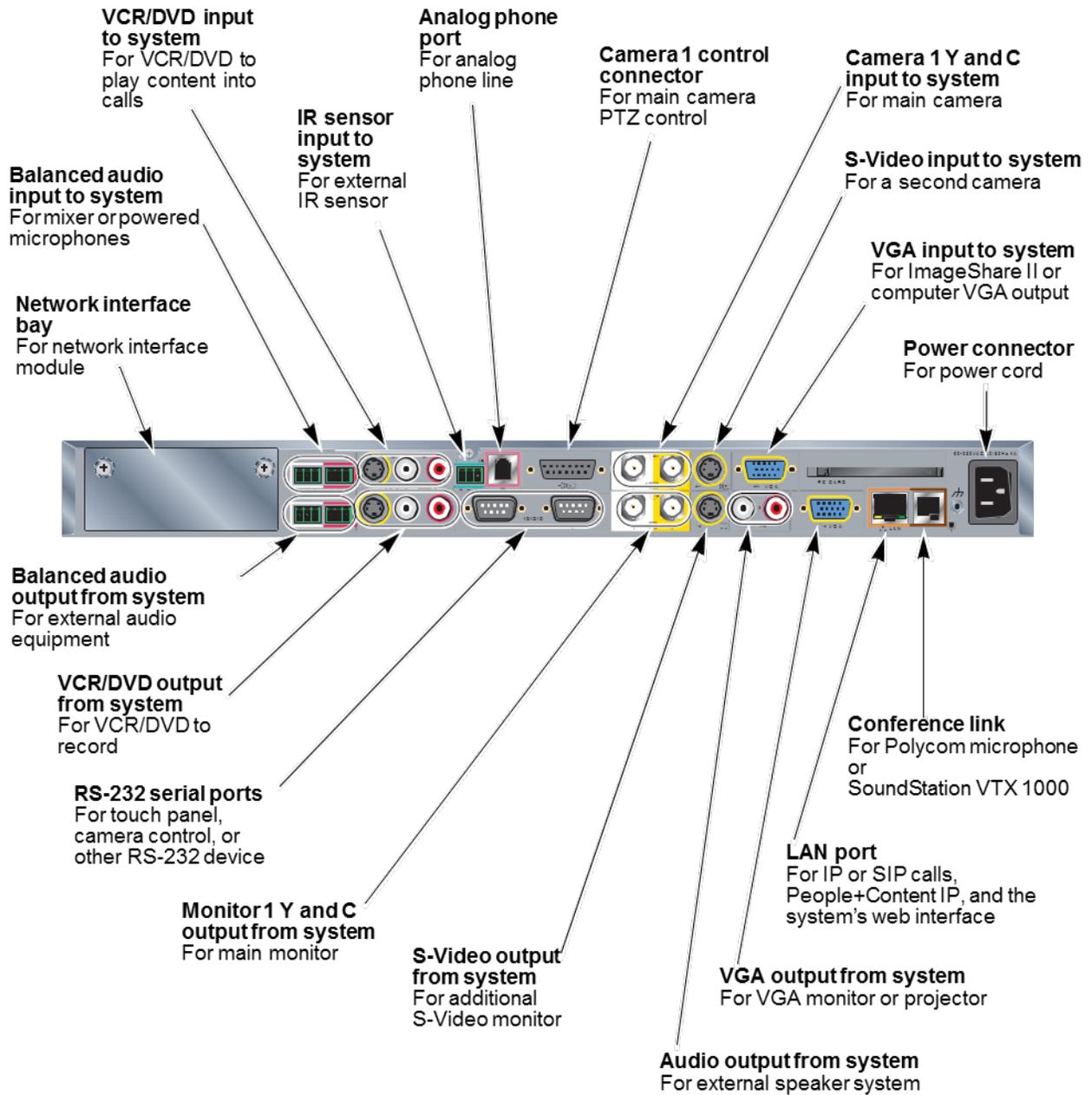


Comparison of Polycom® Video Endpoints

VSX 7000e



VSX 8000



Comparison of Polycom® Video Endpoints

V and VSX Series Feature Comparison

	V500	V700	VSX 3000	VSX 3000A	VSX 5000
Minimum Software Version	5.5	8.5.3	7.0	8.0.3	8.0
Internal Multipoint (MP)			Up to 4	Up to 4	Up to 4
H.239	√	√	√	√	√
People+Content	√	√	√	√	√
People+Content IP	√	√	√	√	√
LPR		≥ 9.0	√	≥ 9.0	≥ 9.0
DBA	√	√	√	√	√
H.264 Baseline Profile	≥ 7.0	√	≥ 7.0	√	√
H.264 High Profile					
H.264 in MP					
H.264 HP in MP					
H.264 Content					
API Support					
H.320	Up to 128kbps		Up to 512kbps	Up to 512kbps	Up to 512kbps
H.323	Up to 768kbps	Up to 768kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps
SIP	Up to 768kbps	Up to 768kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps

	VSX 6000	VSX 6000A	VSX 7000	VSX 7000A	VSX 7000e	VSX 8000
Minimum Software Version	7.5.1	8.5	5.0	8.0	8.0	7.0
Internal Multipoint (MP)	up to 4	up to 6				
H.239	√	√	√	√	√	√
People+Content	√	√	√	√	√	√
People+Content IP	√	√	√	√	√	√
LPR		≥ 9.0		≥ 9.0	≥ 9.0	≥ 9.0
DBA	√	√	√	√	√	√
H.264 Baseline Profile	√	√	≥ 7.0	√	√	√
H.264 High Profile						
H.264 in MP						Up to 4
H.264 HP in MP						
H.264 Content						
API Support			√	√	√	√
H.320		Up to 768kbps	Up to 512kbps	Up to 128kbps	Up to 384kbps	Up to 1920kbps
H.323	Up to 1920kbps					
SIP	Up to 1920kbps					

Polycom QDX® 6000

QDX 6000 was developed as a mid-level video endpoint.



Video Output 1:
YPrPb, RCA, and S-Video
for the main monitor

Video Input 5:
VGA for playing content
from a computer into calls

Video Input 3 and Video Input 4:
S-Video for document camera
RCA for VCR/DVD to play content into calls



Video Output 2:
RCA, S-Video and VGA
for the second monitor

Video Input 1 and Video Input 2 :
S-Video for main camera
RCA for auxiliary camera

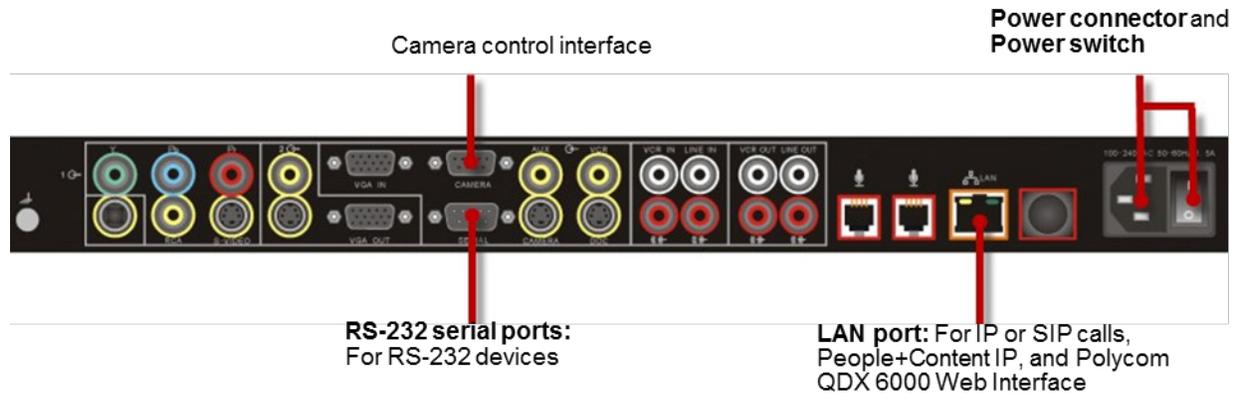
Audio Outputs:
For line audio and
VCR/DVD player audio



Audio Inputs:
For line audio and
VCR/DVD player audio

Audio Input:
For microphone

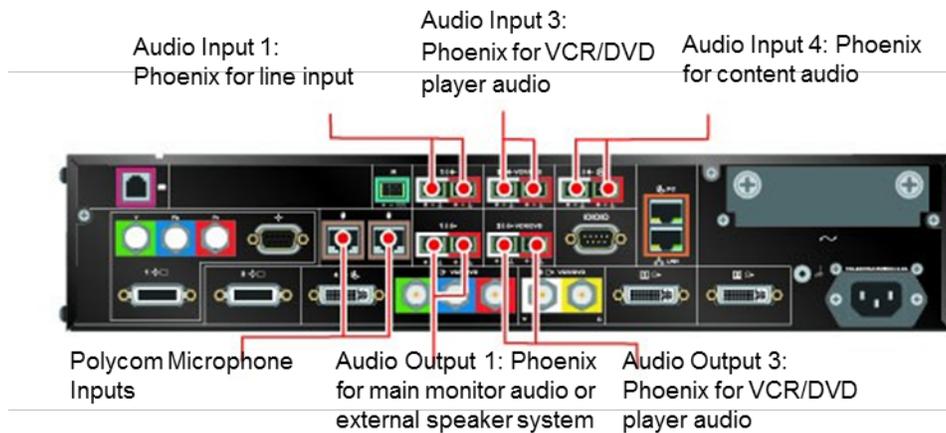
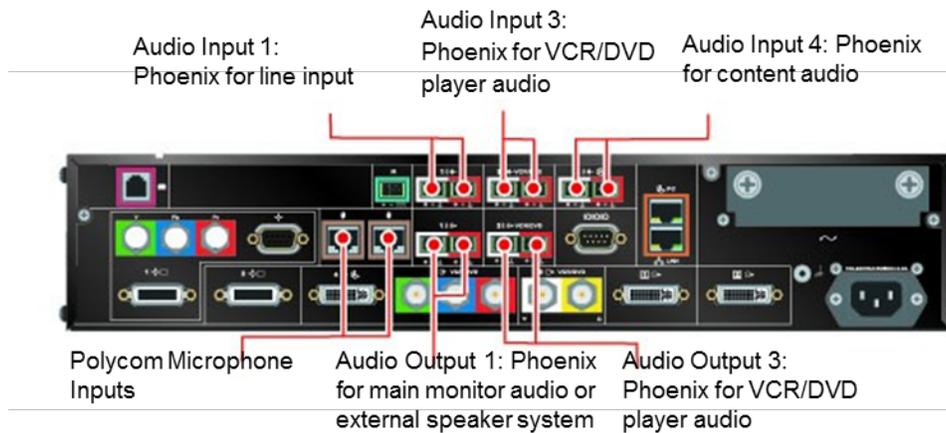
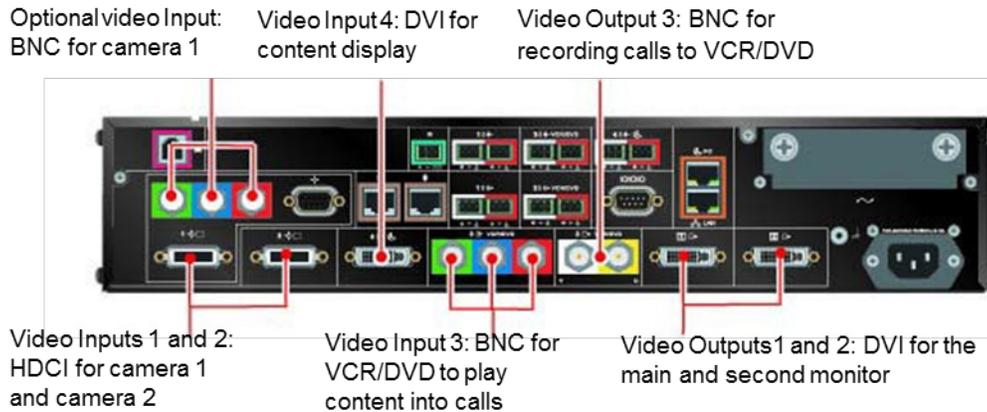
Comparison of Polycom® Video Endpoints



Polycom HDX® Series Systems

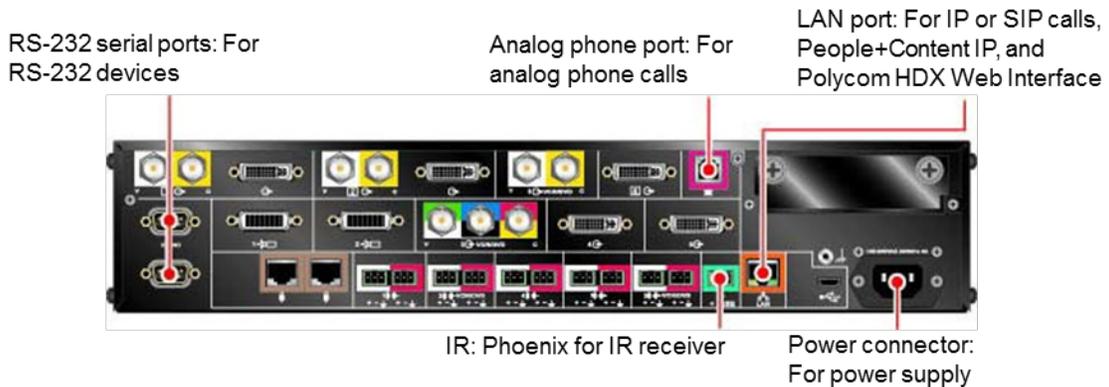
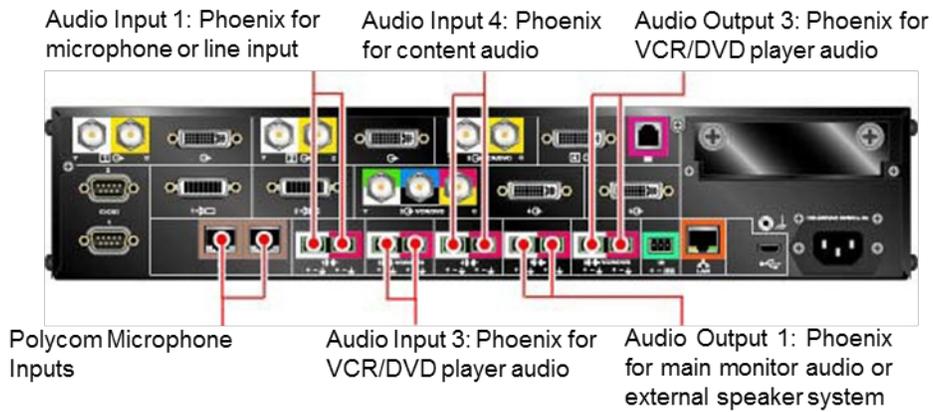
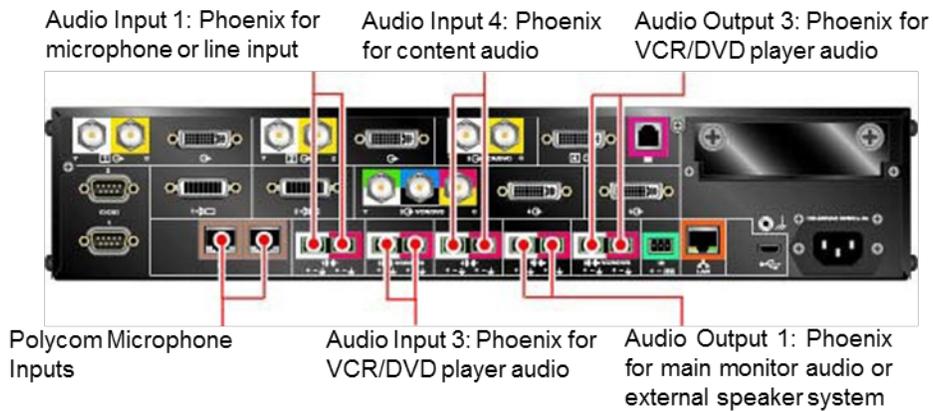
First introduced with HDX 9004 in 2006, Polycom HDX Series systems were first Polycom video endpoints to support encoding and decoding video in HD format.

HDX 9006



Comparison of Polycom® Video Endpoints

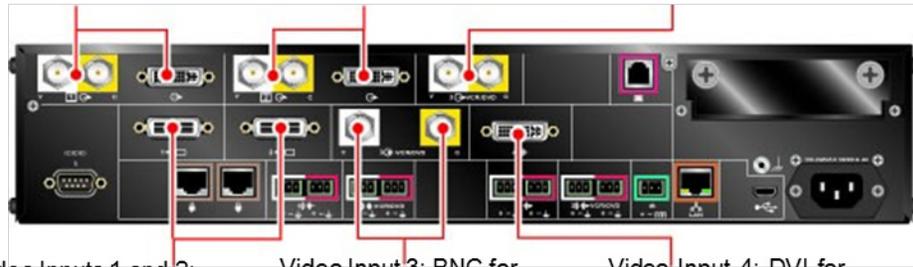
HDX 9004



Comparison of Polycom® Video Endpoints

HDX 9002 and HDX 9001

Video Output 1: BNC and DVI for the main monitor
 Video Output 2: BNC and DVI for the second monitor
 Video Output 3: BNC for recording calls to VCR/DVD



Video Inputs 1 and 2: HDCI for camera 1 and camera 2
 Video Input 3: BNC for VCR/DVD to play content into calls
 Video Input 4: DVI for playing content from a computer into calls

Audio Input 1: Phoenix for microphone or line input
 Audio Output 3: Phoenix for VCR/DVD player audio



Polycom Microphone Inputs
 Audio Input 3: Phoenix for VCR/DVD player audio
 Audio Output 1: Phoenix for main monitor audio or external speaker system

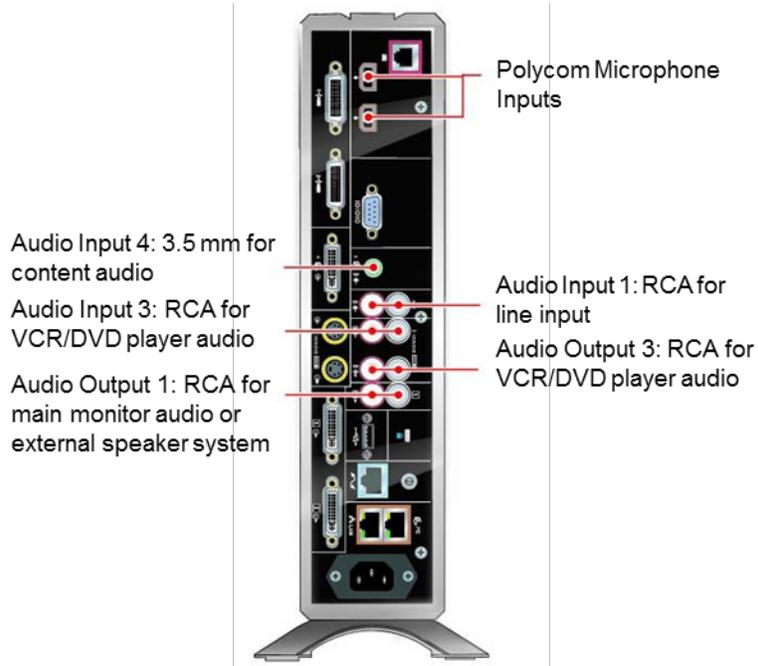
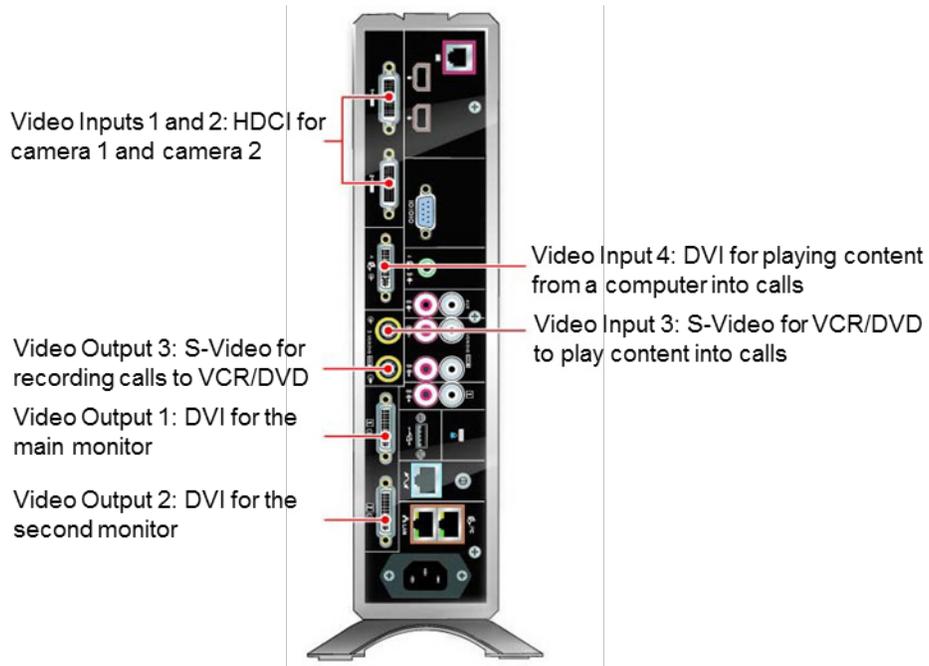
RS-232 serial port: For RS-232 devices
 Analog phone port: For analog phone calls
 LAN port: For IP or SIP calls, People+Content IP, and Polycom HDX Web Interface



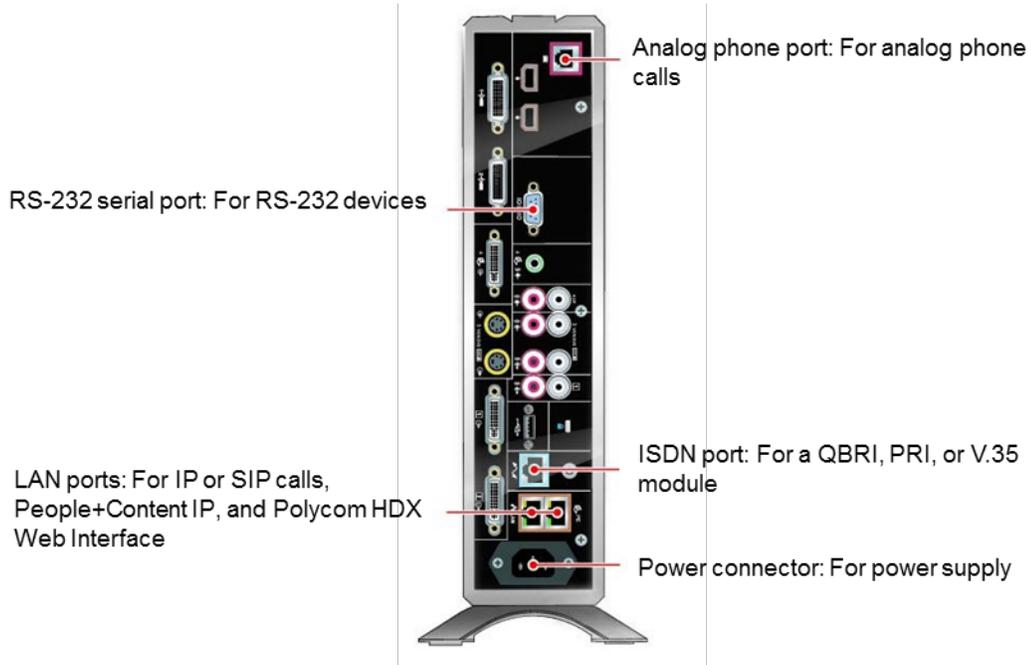
IR: Phoenix for IR receiver
 Power connector: For power supply

Comparison of Polycom® Video Endpoints

HDX 8000 HD

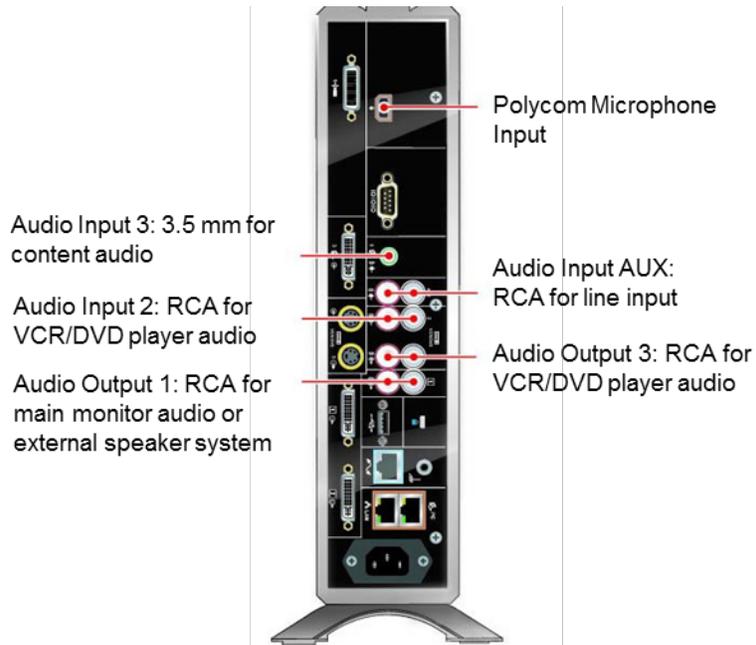
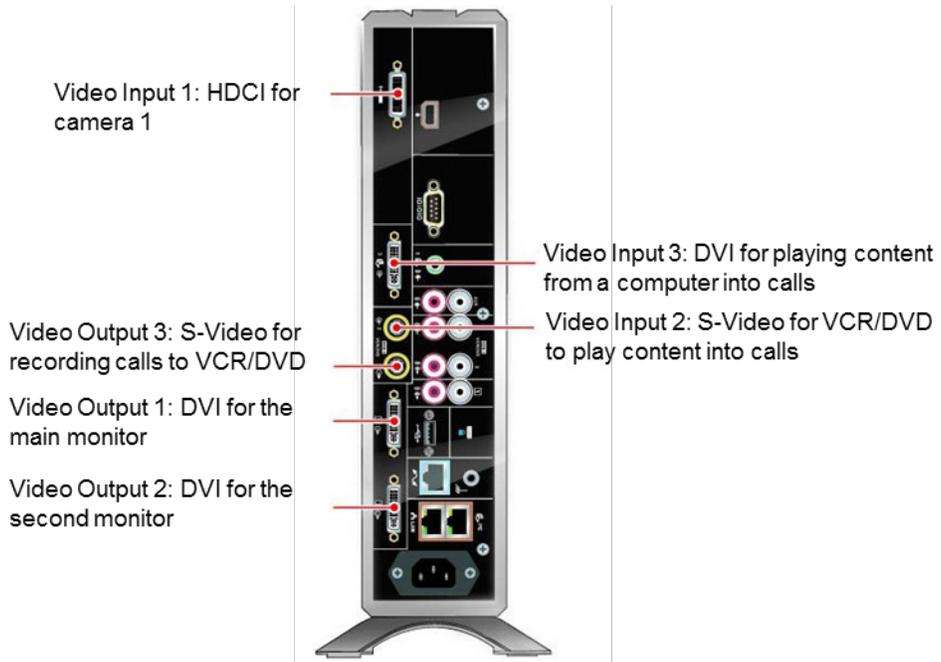


Comparison of Polycom® Video Endpoints

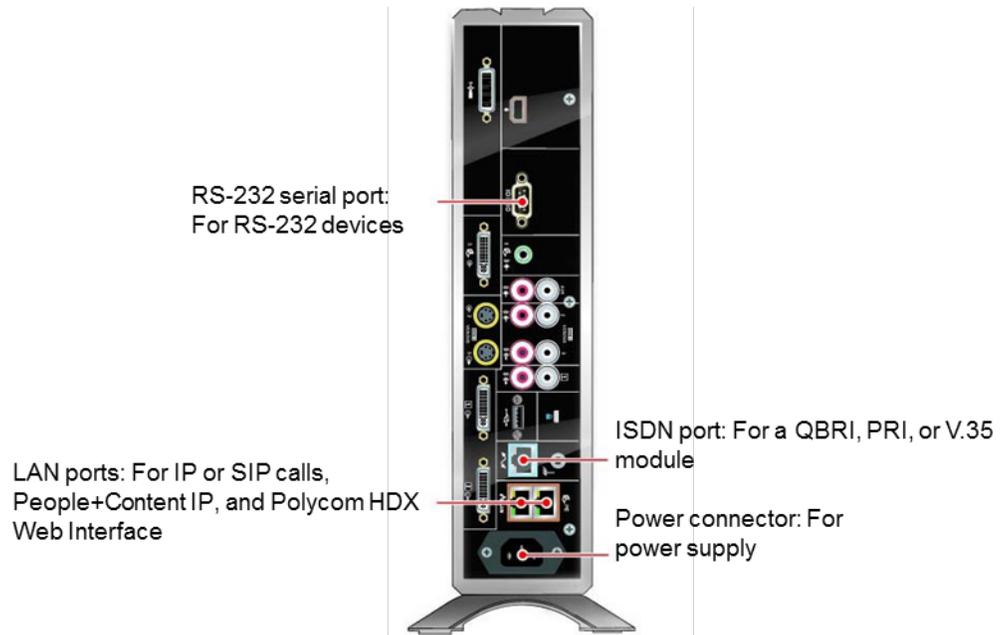


Comparison of Polycom® Video Endpoints

HDX 7000 and HDX 7000 HD, Hardware Versions A, B, and C

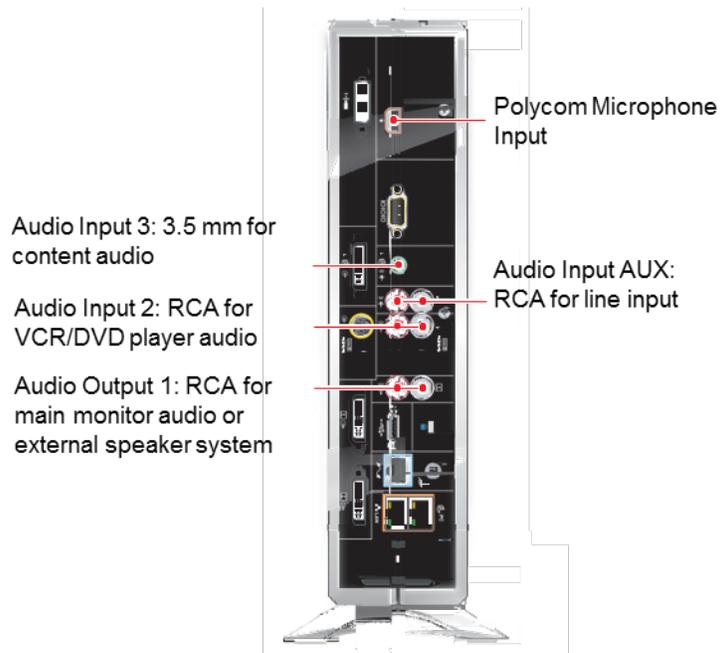
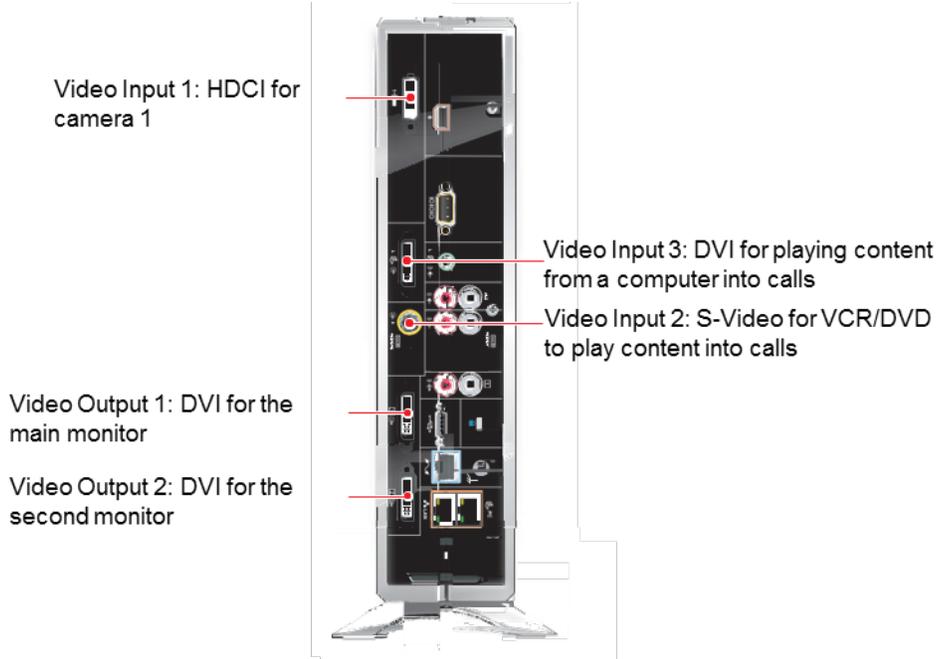


Comparison of Polycom® Video Endpoints

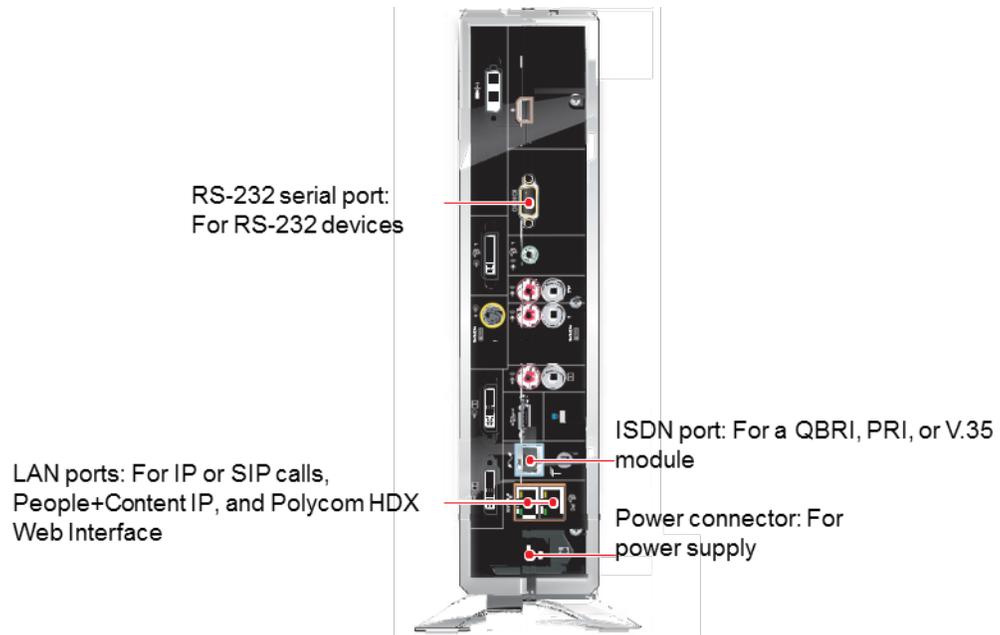


Comparison of Polycom® Video Endpoints

HDX 7000 and HDX 7000 HD, Hardware Version D



Comparison of Polycom® Video Endpoints



HDX 6000 HD

Video Input 2: DVI for playing content from a computer into calls

Video Input 1: HDCI for camera 1

Video Output: HDMI for the main monitor

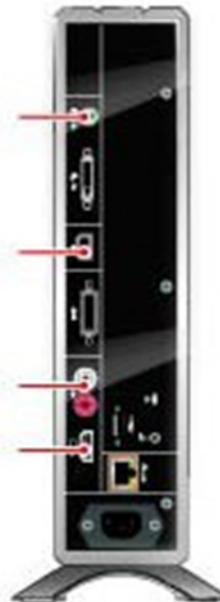


Audio Input: 3.5 mm for content audio

Polycom Microphone Input

Auxiliary Audio Output: RCA for main monitor audio or external speaker system

HDMI Connector: When video output is set to HDMI, audio output can also come from this connector



Comparison of Polycom® Video Endpoints

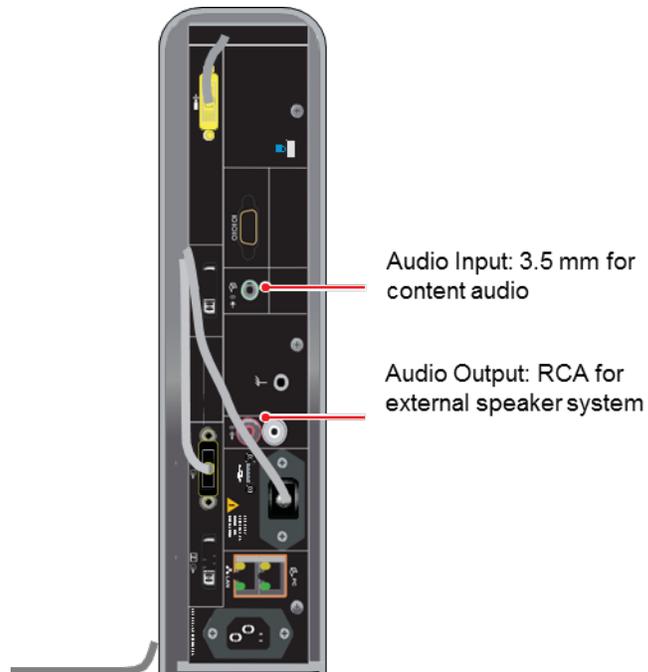
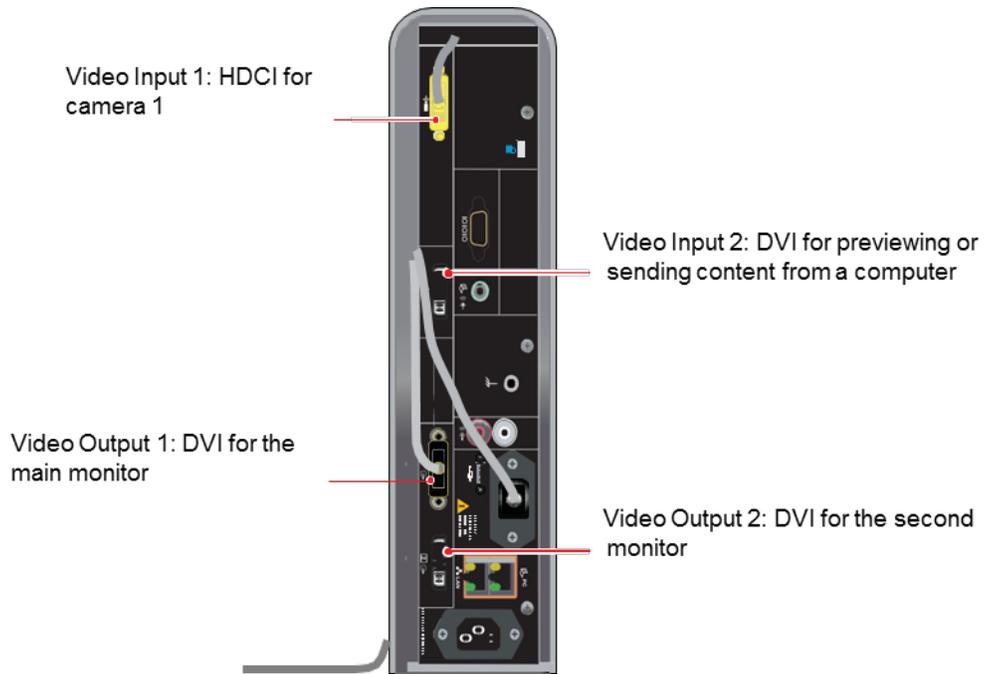
LAN ports: For IP or SIP calls,
People+Content IP, and
Polycom HDX Web Interface

Power connector: For
power supply

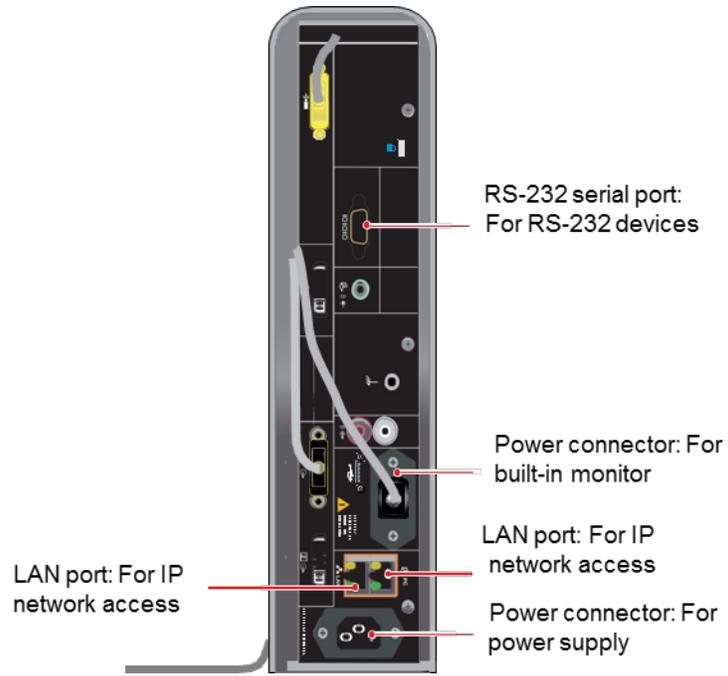


Comparison of Polycom® Video Endpoints

HDX 4500 HD

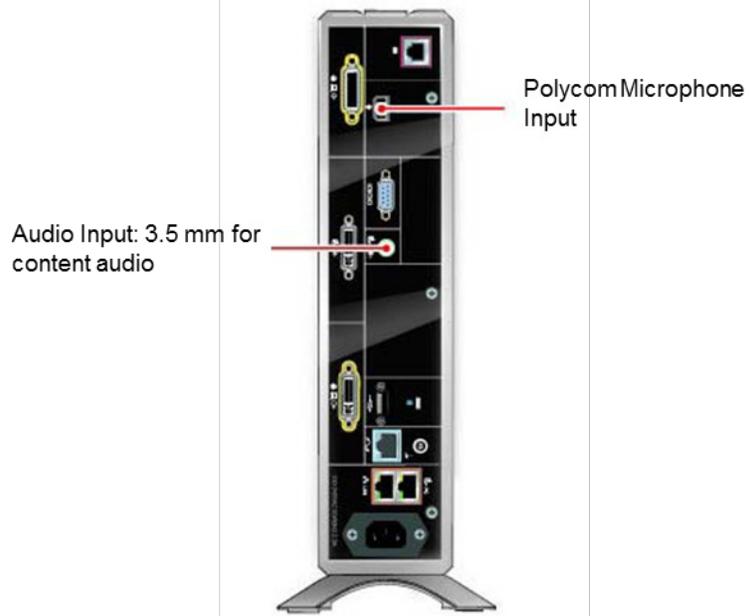
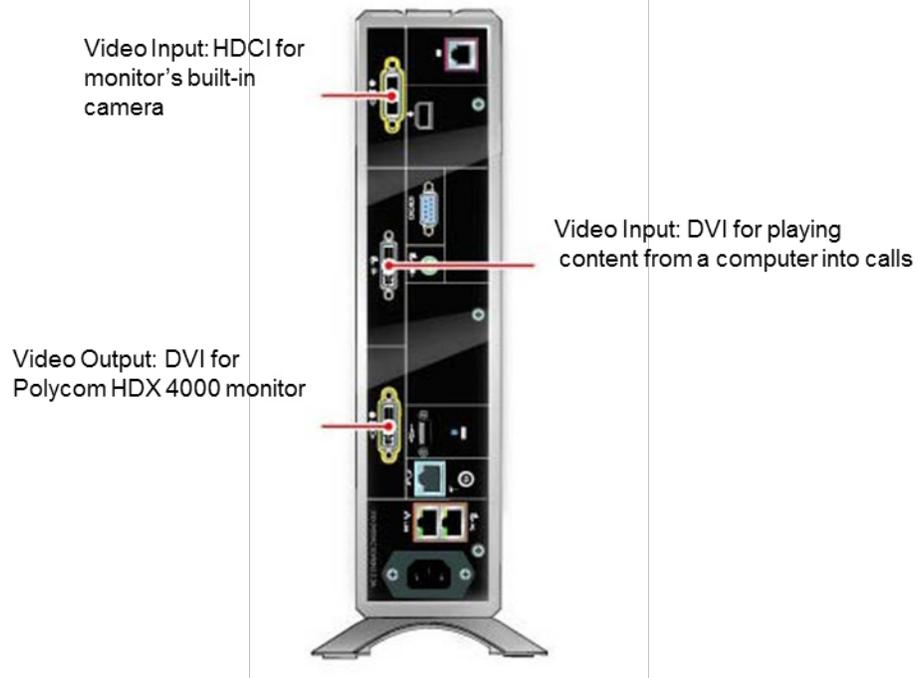


Comparison of Polycom® Video Endpoints

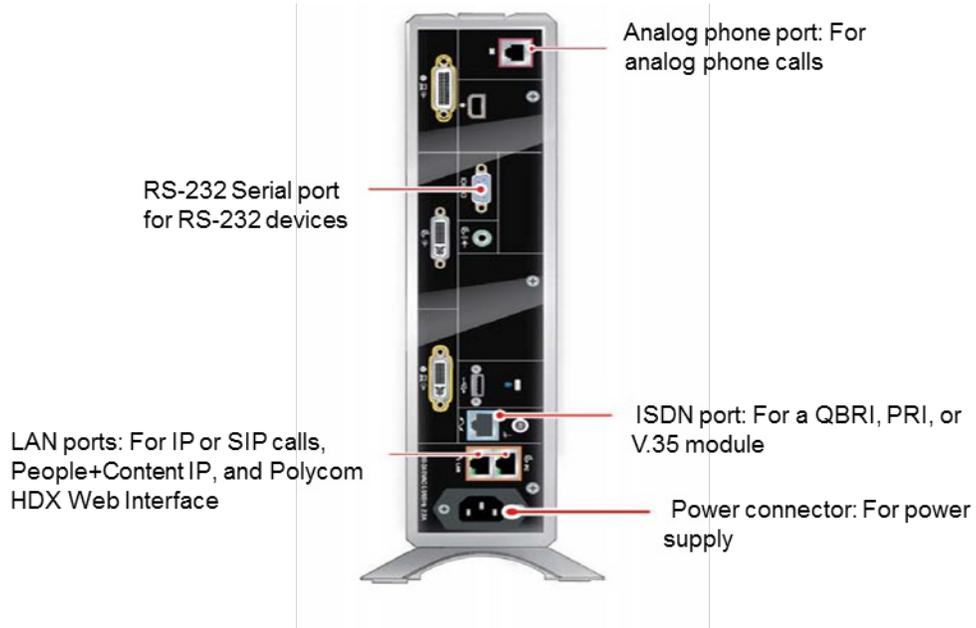


Comparison of Polycom® Video Endpoints

HDX 4000 and HDX 4000 HD



Comparison of Polycom® Video Endpoints



Comparison of Polycom® Video Endpoints

HDX Series Feature Comparison

	HDX 9006	HDX 9006 Hardware Version C	HDX 9004	HDX 9002	HDX 9001	HDX 8000 HD Hardware Version A
Minimum Software Version	2.6.0	2.6.1.1	1.0.0	1.0.1	1.0.1	2.0.0
Ethernet NIC	10/100	10/100	10/100/1000	10/100/1000	10/100/1000	10/100
Internal Multipoint (MP)	Up to 4	Up to 4	Up to 8	Up to 4	Up to 4	Up to 4
Max Resolution in CP MP	720p	720p	720p	720p	SD	720p
H.239	√	√	√	√	√	√
People+Content	√	√	√	√	√	√
People+Content IP	√	√	√	√	√	√
LPR	√	√	√	√	√	√
DBA	√	√	√	√	√	√
Video I/O	1090p	1080p	720p	720p	720p	1080p ≥ 2.5.0
Codec	1080p	1080p	720p	720p	SD	720p
H.264 Baseline Profile	√	√	√	√	√	√
H.264 High Profile	√	√				
H.264 in MP	√	√	√	√	√	√
H.264 HP in MP						
H.264 Content	√	√	√	√	√	√
H.264 HP Content						
API Support	√	√	√	√	√	√
Polycom Touch Control	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0
H.320	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps
H.323	Up to 6Mbps	Up to 6Mbps	Up to 8Mbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps
SIP	Up to 6Mbps	Up to 6Mbps	Up to 8Mbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps

	HDX 8000 Hardware Version B	HDX 7000 Hardware Version A	HDX 7000 HD Hardware Version A	HDX 7000 HD Hardware Version B	HDX 7000 HD Hardware Version C	HDX 7000 HD Hardware Version D
Minimum Software Version	2.5.0	2.0.2.1	2.0.2.1	2.5.0	2.5.0.7	3.0.5
Ethernet NIC	10/100	10/100	10/100	10/100	10/100	10/100
Internal Multipoint (MP)	Up to 4	Up to 4	Up to 4	Up to 4	Up to 4	Up to 4
Max Resolution in CP MP	720p	SD	SD	SD	720p	720p
H.239	√	√	√	√	√	√
People+Content	√	√	√	√	√	√
People+Content IP	√	√	√	√	√	√
LPR	√	√	√	√	√	√
DBA	√	√	√	√	√	√
Video I/O	1080p	1080p ≥ 2.5.0	1080p ≥ 2.5.0	1080p	1080p	1080p
Codec	1080p	SD	720p	720p	1080p	1080p
H.264 Baseline Profile	√	√	√	√	√	√
H.264 High Profile	≥ 2.6.0				≥ 2.6.0	√
H.264 in MP	√	√	√	√	√	√
H.264 HP in MP						
H.264 Content	√	√	√	√	√	√
H.264 HP Content						
API Support	√	≥ 3.0.2	≥ 3.0.2	≥ 3.0.2	≥ 3.0.2	√
Polycom Touch Control	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0	≥ 3.0.0
H.320	Up to 1920bps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps
H.323	Up to 6Mbps	Up to 4Mbps	Up to 4Mbps	Up to 4Mbps	Up to 4Mbps	Up to 4Mbps
SIP	Up to 6Mbps	Up to 4Mbps	Up to 4Mbps	Up to 4Mbps	Up to 1920kbps	Up to 4Mbps

Comparison of Polycom® Video Endpoints

	HDX 6000 HD	HDX 4000 Hardware Version A	HDX 4000 HD Hardware Version A	HDX 4000 HD Hardware Version C	HDX 4500 HD
Minimum Software Version	2.5.0.6	2.0.1	2.0.1	2.7.0	3.0.1
Ethernet NIC	10/100/1000	10/100	10/100	10/100	10/100
Internal Multipoint (MP)		Up to 4	Up to 4	Up to 4	Up to 4
Max Resolution in CP MP		SD	SD	SD	720p
H.239	√	√	√	√	√
People+Content	√	√	√	√	√
People+Content IP	√	√	√	√	√
LPR	√	√	√	√	√
DBA	√	√	√	√	√
Video I/O	1080p	N/A	N/A	N/A	N/A
Codec	1080p	SD	720p	1080p	1080p
H.264 Baseline Profile	√	√	√	√	√
H.264 High Profile	≥ 2.6.0			√	√
H.264 in MP	√	√	√	√	√
H.264 HP in MP					
H.264 Content	√	√	√	√	√
H.264 HP Content					
API Support	≥ 3.0.2	≥ 3.0.2			
Polycom Touch Control	≥ 3.0.0				√
H.320		Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 384kbps
H.323	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps
SIP	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps	Up to 1920kbps

Polycom RealPresence® Group Series Systems

Polycom RealPresence Group Series was initially introduced with RealPresence Group 300 and RealPresence Group 500 in 2012.

RealPresence Group 300



RealPresence Group 310

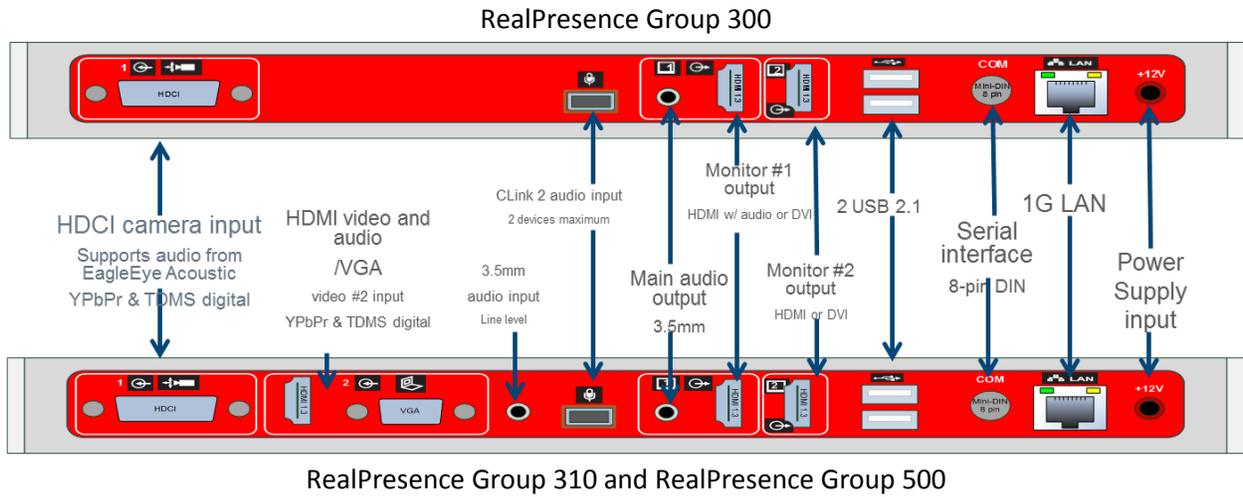


RealPresence Group 500



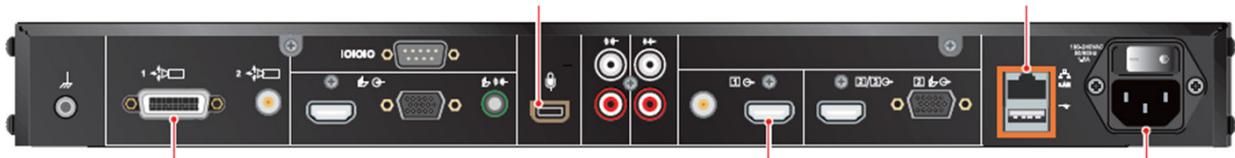
Comparison of Polycom® Video Endpoints

RealPresence Group 300, 310, and 500 Comparisons

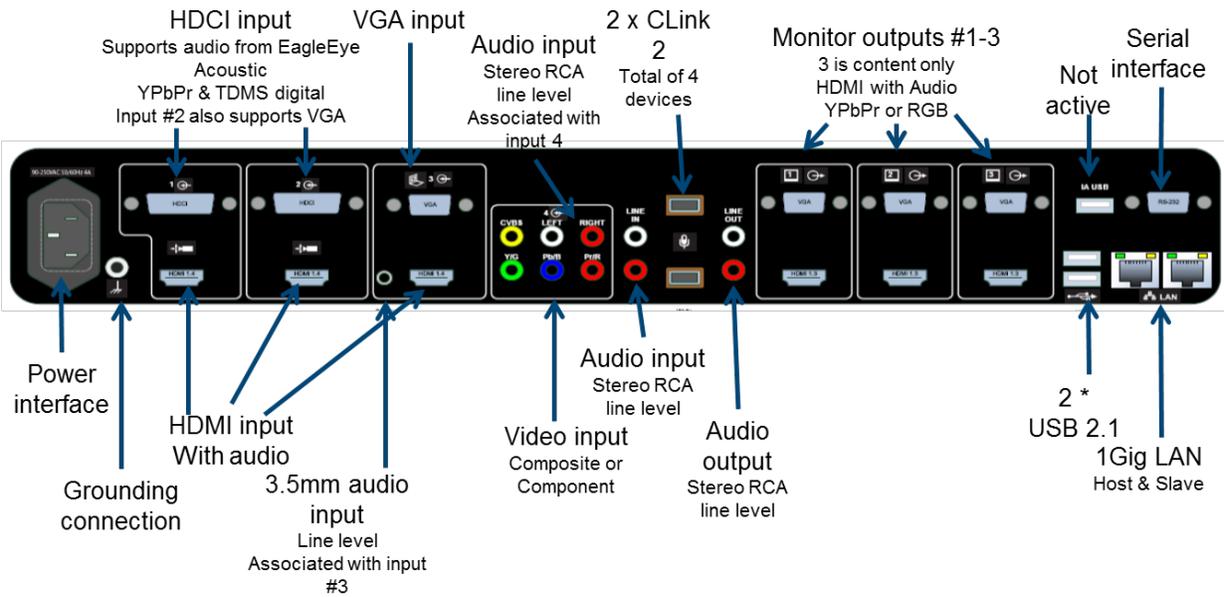


RealPresence Group 550

RealPresence Group 550 is a product available only in China.



RealPresence Group 700



Comparison of Polycom® Video Endpoints

RealPresence Group Series Feature Comparison

	RealPresence Group 300	RealPresence Group 310	RealPresence Group 500	RealPresence Group 550	RealPresence Group 700
Minimum Software Version	4.0.0	4.3.0	4.0.0	4.0.1.1	4.0.2
Ethernet NIC	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Internal Multipoint (MP)			Up to 6	Up to 6	Up to 8
H.239	√	√	√	√	√
People+Content					
People+Content IP	√	√	√	√	√
LPR	√	√	√	√	√
DBA	√	√	√	√	√
Video I/O	1080p	1080p	1080p	1080p	1080p
Codec	1080p	1080p	1080p	1080p	1080p
H.264 Baseline Profile	√	√	√	√	√
H.264 High Profile	√	√	√	√	√
H.264 in MP			√	√	√
H.264 HP in MP			√	√	√
H.264 Content	√	√	√	√	√
H.264 HP Content	√	√	√	√	√
API Support	√	√	√	√	√
Polycom Touch Control	√	√	√	√	√
H.320					
H.323	Up to 3Mbps	Up to 3Mbps	Up to 6Mbps	Up to 6Mbps	Up to 6Mbps
SIP	Up to 3Mbps	Up to 3Mbps	Up to 6Mbps	Up to 6Mbps	Up to 6Mbps