

Release Notes

Polycom® QDX™ 6000, Version 3.0



Polycom is pleased to announce the initial release of Polycom QDX 6000 hardware and software. This document provides information about the Polycom QDX 6000 system and version 3.0 software.

For more information about using the features described in this document, refer to the product documentation available at www.polycom.com/videodocumentation.

Polycom® QDX™ 6000 Introduction

The Polycom QDX 6000 delivers high quality DVD resolution video and CD quality audio along with simple-to-use content sharing capabilities:

- Easy to deploy and simple-to-use and maintain without the need for IT support
- Affordability speeds your return on investment (ROI)
- Increased productivity in any environment thanks to expanded video and audio inputs



Polycom EagleEye QDX 6000 Camera



POLYCOM EagleEye QDX 6000 Camera supports 16:9 4CIF/4SIF formats.

Remote control

You use the remote control to place calls, adjust the volume, navigate screens, and select options.



Microphones



Polycom QDX 6000 system provide 2 analog directional Microphones, QDX 6000 System support stereo surround with 2 microphones.

Software Features

The following sections highlight the major software features of Polycom QDX 6000. For more details, please refer to QDX 6000 datasheet, “Administrator’s Guide for Polycom QDX 6000 Systems”, and “User’s Guide for Polycom QDX 6000 Systems”.

High quality Standard -Definition Video

QDX 6000 system can deliver high resolution DVD-like resolution video at bandwidth from 256K to 4M.

Bandwidth	Resolution/Frame Rate	Video Protocol
256K – 2M	4CIF /25fps, 4SIF/30fps	H.264/H.263
2M-4M	4CIF /25fps, 4SIF/30fps	H.263
64K- 192K	CIF/25 fps, SIF/30 fps	H.264/H.263/H.261

High quality Audio






- CD quality audio
- Polycom Siren™22
- Stereo voice (When using 2 of Polycom microphones)
- AEC/AGC/ANS

Content sharing

- H.239 for content sharing
- 5 video inputs, any one of which can dynamically be used as content input.
- Polycom PPCIP as the content input.
- People and content video can be displayed on single screen using Dual Monitor Emulation or 2 separate monitors.
- H.264 content

Customized Logo

You can customize the following logos shown on your Polycom QDX 6000 system in the on screen UI and the web interface. For more information about logo customization, please refer to *Administrator's Guide for Polycom QDX 6000 Systems*.

<p>Splash screen shown on system startup</p>	
<p>Logo on the top right corner of the home screen</p>	
<p>Logo on the top left corner of each page on web interface</p>	
<p>Image on the welcome screen on web interface</p>	
<p>Screen saver image on embedded UI</p>	

Caption

QDX 6000 system supports meeting caption and rolling caption with adjustable color and position.

- Site name – To indicate who you are or where you are , especially for multi-point conference.

- Share message – To indicate purpose of this meeting or send meeting notice in a big conference. For example, you can send a notice in training “Our training will start at 8:30 am tomorrow morning, not 9:00 am, please join on time. Thanks!”
- Compatible with all standard H.323 endpoint and MCU , will not be filtered through MCU



LPR

QDX 6000 Supports Polycom LPR (Lost Package Recovery) technology to ensure good video quality even in difficult network environment with package lost.

Known Limitations

The following table lists the known feature limitations for the version 3.0.0.0 release. If a workaround is available, it is noted in the table.

Feature	Limitation
Hardware	Digital Microphone and 3 rd monitor ports are reserved.
Cameras	You may see a few seconds of blue video while the Polycom QDX 6000 camera wakes up. The camera will also take a few seconds to focus after waking up.
Audio	QDX 6000 sends stereo audio from microphones only when both microphones are connected
	Can not support stereo audio at 256 kbps call speed and below.
Network	Can not get IP address through DHCP when going into rescue mode with 10M LAN connected
	Can not choose Auto as the Duplex Mode when choosing 10 Mbps as the LAN Speed

Feature	Limitation
Video	QDX 6000 might display incomplete video from second VGA monitor when it was set as 640x480.
	Using scrolling screen saver text may cause system instability when system goes to screen saver mode.
Content share	QDX 6000 can not support sending content with call speed of 64K.
Rolling caption	Rolling caption is not supported when the system language is set to Arabic
Interoperability	QDX 6000 does not negotiate siren 14 audio with LifeSize systems, QDX 6000 transmits and receives G722 audio
	Sony XG80 does not receive video from the QDX 6000 in encrypted calls/Intermittent
	The QDX 6000 is not receiving content from the Tandberg 6000 MXP when calling pass through Tandberg gateway . The QDX 6000 system is able to send content fine.
	QDX 6000 does not negotiate H264 4SIF video with the Aethra X7
	QDX 6000 sometimes sends content over a single stream with Sony systems , the content will replace main stream , not dual stream.
	QDX 6000 does not support Polycom People+Content
	QDX 6000 cannot be managed by CMA server , but CMA will work with QDX 6000 when acting GK only .

Interoperability

Polycom QDX 6000 systems are tested extensively with a wide range of products. The following list is not a complete inventory of compatible equipment; it simply indicates the products that have been tested for compatibility with the 3.0 release.

Video conferencing systems use a variety of algorithms to compress audio and video. In a call between two systems, each end transmits audio and video using algorithms supported by the other end. In some cases, a system may transmit a different algorithm than it receives. This process occurs because each system independently selects the optimum algorithms for a particular call, and different products may make different selections. This process should not affect the quality of the call.

Type	Product	Version
Camera	Polycom EagleEye QDX 6000 Camera	system firmware version: 109A
NAT/Firewall/Border Controller	Netgear FR114P	v1.5-14 09/06/2005
	VBP6400LF2	8.11.1
	VBP5300E and S/T	7.2.2
	Cisco QOS Router Cisco IOS Software, 2800 Software (C2800NM-ADVIPSERVICESK9-M),	V12.4(15)T1
Management Systems and Recorders, Content	Polycom PPCIP	1.2.1
	RSS 2000	3.0.2
Gatekeeper, Gateways, External MCU, Bridges, Call Managers	Polycom CMA4000	4.0
	Polycom CMA5000	4.0
	Polycom SE200	3.0.3/3.00.05
	Polycom Pathnavigator	V 7.00.03
	Polycom RMX 1000	V1.1.2
	Polycom RMX 2000	V4.0/V3.0.0
	Polycom MGC	9.0.1.8
	Polycom MGC Gateway	9.0.1.8
	Codian MCU	2.4.1
	Tandberg Gateway	G3.2
	Tandberg Gateway	N6.0
	Radvision ECS	5.6.2.4
	Cisco 3745 Gatekeeper	V12.4
Endpoints	Polycom HDX9001	2.5.0.1
	Polycom HDX9002	2.5.0.1
	Polycom HDX9004	2.5.0.1
	Polycom HDX8006	2.5.0.1
	Polycom HDX8000	2.5.0.1
	Polycom HDX4000	2.5.0.1
	Polycom HDX7004	2.5.0.1

Type	Product	Version
	Polycom HDX7001	2.0.3.2-21
	Polycom HDX7000	2.5.0.1
	Polycom VSX8000	9.0.1/9.0.5
	Polycom VSX7000	9.0.1/9.0.5
	Polycom VSX7000e	9.0.1/9.0.5
	Polycom VSX6000	9.0.1/9.0.5
	Polycom VSX3000	9.0.1/9.0.5
	Polycom VSX5000	9.0.1/9.0.5
	Polycom V700	9.0.1/9.0.5
	Polycom V500	9.0.1/9.0.5
	Polycom iPower 9000	6.2.0.1208
	Polycom PVX	8.0.2
	Polycom CMAD	4.0.1
	Polycom Viewstation FX/EX/4000	6.0.5
	Polycom Viewstation	7.5.4
	Polycom SoundStation IP3000	2.8
	Sony PCS –1	3.42
	Sony PCS –TL50	2.42
	Sony PCS –G50	2.63
	Sony PCS-XG80	2.0.1
	Tandberg 6000 B	B10.3
	Tandberg MXP 6000	F7.2
	Tandberg MXP 1700	F7.2
	Tandberg Edge95 MXP	F7.2
	Tandberg MXP 150	L5.1
	Tandberg 6000 E series	E5.3
	LifeSize Room System	4.0.6
	Polycom DST B5	2.0.0
	Polycom DST K60	3.0.0

Type	Product	Version
	Polycom DST K80	2.0
	Aethera X7	12.0.20
	Aethera X3	10.7.32
	Aethera VegaStar Gold	6.0.49

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