USER GUIDE

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Polycom® Immersive Telepresence (ITP) Video Layouts

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Immersive Telepresence (ITP) Video Layouts

What can you expect to see on the displays during a telepresence conference in an ITP room? That depends on the type of system at your site, the type of system you are calling at the other site, and whether your call is to one site (point-to-point) or multiple sites (multipoint). This document describes what you can expect to see in these various scenarios.

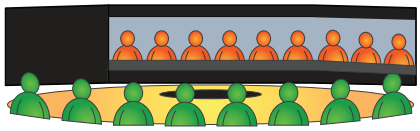
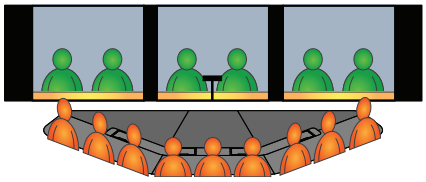
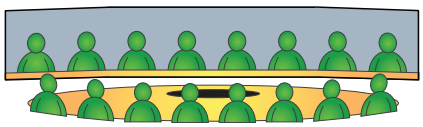
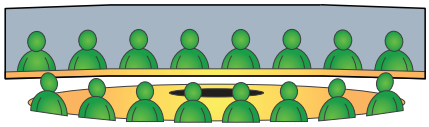
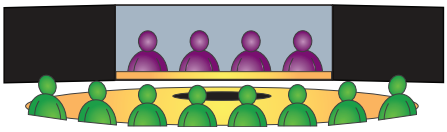
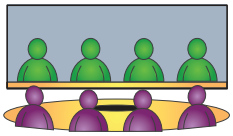
Viewing People

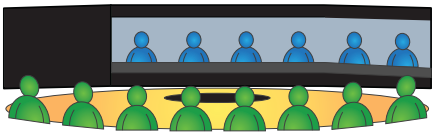
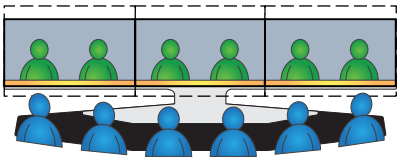
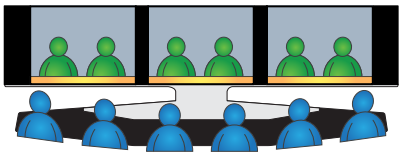
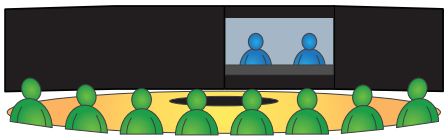
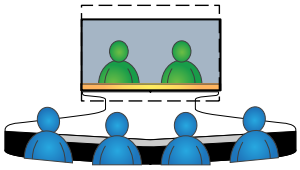
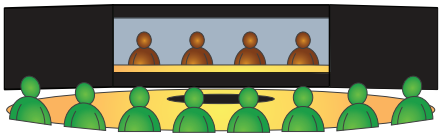
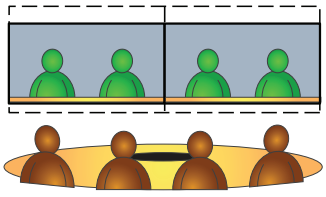
Different types of video conferencing systems use a different number of cameras and displays. The ITP system automatically adapts by adjusting its camera views depending on how many displays are at the far site.

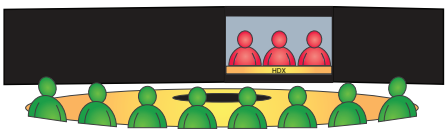
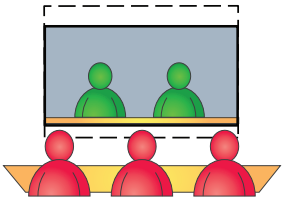
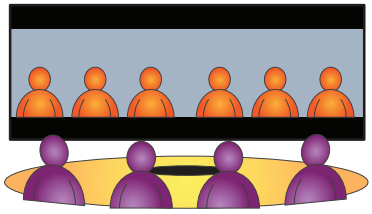
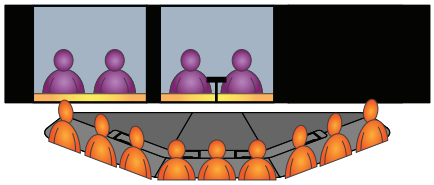
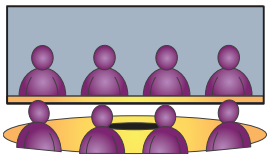
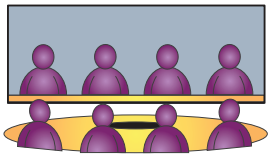
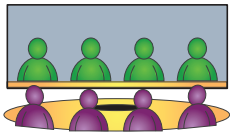
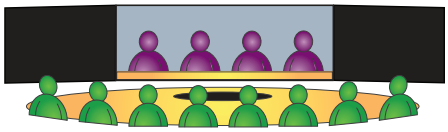
The “left” and “right” areas described in the following tables are from the point of view of the participants in the room.

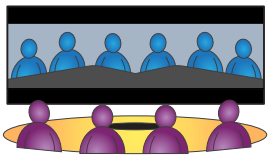
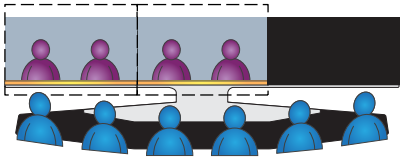
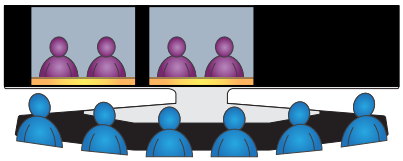
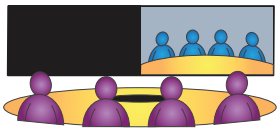
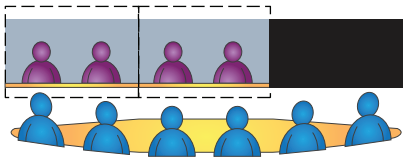
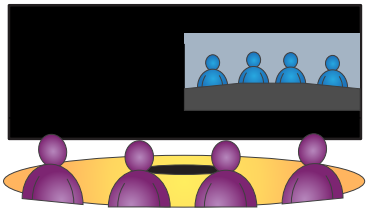
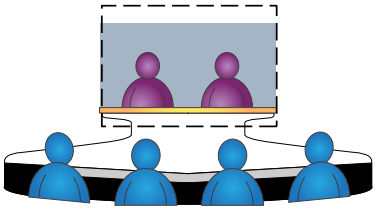
Viewing People in a RealPresence® Experience (RPX™) Suite

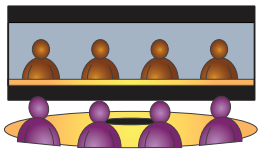
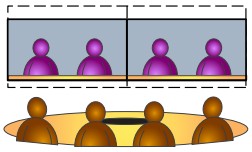
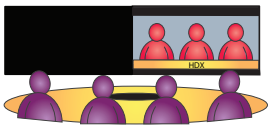
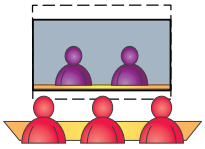
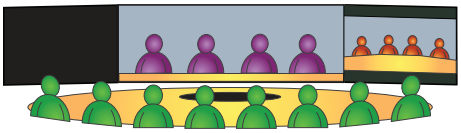
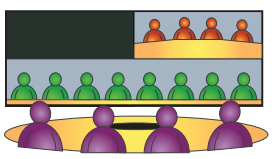
The following table describes what you can expect to see when you view the people at the other sites during a telepresence conference in an RPX suite or ATX room. Note that your table may look different than the table in the following figures.

If you make a call between an...	To a/an...	This is what you will see in your RPX suite...	This is what the far site will see...
RPX 400 Series or ATX 400 System	Immersive Studio 9-Seat	The entire Immersive Studio room. Three seats are shown on the center left display, on the center right display, and on the far right display. The far left display is blank. 	Six of the eight seats at the RPX main table shown. Far left camera not shown. Left and right images are offset on screens. 
RPX 400 Series or ATX 400 System	RPX 400 Series or ATX 400 Series	The entire RPX 400 Series suite. Two seats at the RPX main table are shown on each display. 	The entire RPX 400 Series suite. Two seats at the RPX main table are shown on each display. 
RPX 400 Series or ATX 400 System	RPX 200 Series	The entire RPX 200 Series suite. Two seats are shown on the center right display and two seats are shown on the center left display. The far left and far right displays are blank. 	The four center seats at the RPX main table. Two seats are shown on each display. 

If you make a call between an...	To a/an...	This is what you will see in your RPX suite...	This is what the far site will see...
RPX 400 Series or ATX 400 System	OTX 300, TPX 306, ATX 300, or OTX Studio System	The entire OTX 300, TPX 306, or OTX Studio room. Two seats are shown on the far right display, on the center right display, and on the center left display. The far left display is blank. For ATX rooms, it depends on how the integrator set up the room. 	For OTX 300 or TPX 306, the right six seats at the RPX main table. Two seats are shown on each display.  For OTX Studio, the right six seats at the RPX main table. Two seats are shown on each display. 
RPX 400 Series or ATX 400 System	OTX 100 System	The entire OTX room. Two seats are shown on the center right display. The far left display, center left display, and far right display are blank. 	The center right two seats at the RPX main table. 
RPX 400 Series or ATX 400 System	TPX 204M or ATX 200 System	The entire TPX 204M room. Two seats are shown on the center left display and two seats are shown on the center right display. The far left and far right displays are blank. For ATX rooms, it depends on how the integrator set up the room. 	The center four seats at the RPX main table. Two seats are shown on each display. 

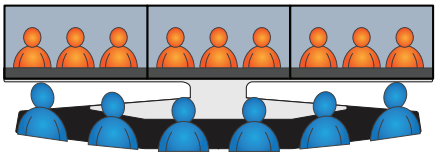
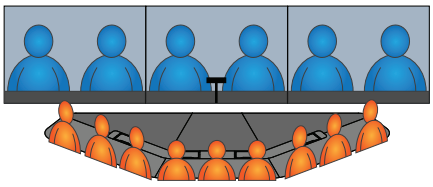
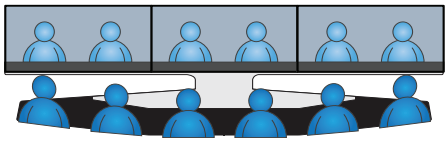
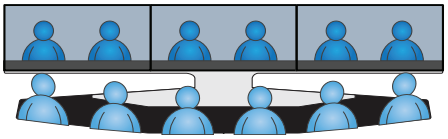
If you make a call between an...	To a/an...	This is what you will see in your RPX suite...	This is what the far site will see...
RPX 400 Series or ATX 400 System	Traditional (standalone) video conferencing system (such as a Polycom HDX Series or RealPresence Group Series system)	The people at the far site on the center right display. The remaining displays are blank. 	The center right two seats at the RPX main table. 
RPX 200 Series	Immersive Studio 9-Seat	Three people in Immersive Studio room are not seen. Black borders appear on top and bottom of RPX display. 	The entire RPX 200 Series suite. Two seats are shown on the left display and center display. Left image is offset on screen. 
RPX 200 Series	RPX 200 Series	The entire RPX 200 Series suite. Two seats are shown on each display. 	The entire RPX 200 Series suite. Two seats are shown on each display. 
RPX 200 Series	RPX 400 Series or ATX 400 System	The four center seats at the RPX main table. Two seats are shown on each display. 	The entire RPX 200 Series suite. Two seats are shown on the center right display and two seats are shown on the center left display. The far left and far right displays are blank. 

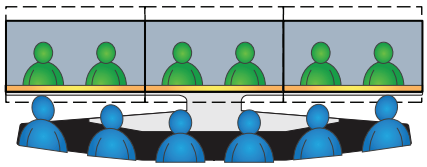
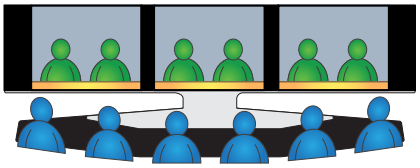
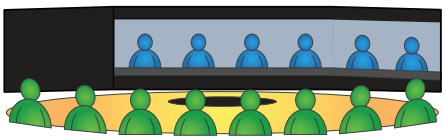
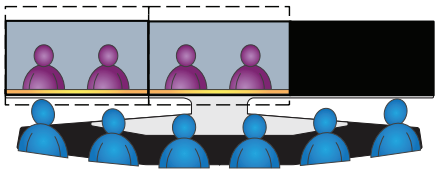
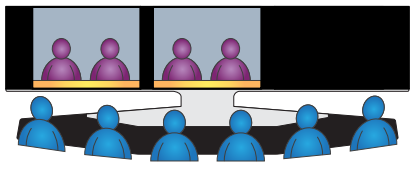
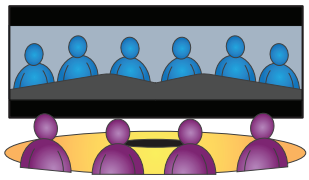
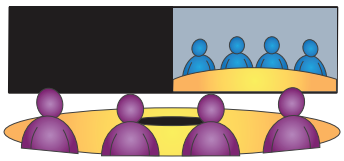
If you make a call between an...	To a/an...	This is what you will see in your RPX suite...	This is what the far site will see...
RPX 200 Series	OTX 300, TPX 306, or OTX Studio System	The entire OTX 300, TPX 306, or OTX Studio room. Three seats are shown on each display. 	For OTX 300 or TPX 306, the entire RPX suite. Two seats are shown on the left display and two seats are shown on the center display. The right display is blank.  For OTX Studio, the entire RPX suite. Two seats are shown on the left display and two seats are shown on the center display. The right display is blank. 
RPX 200 Series	ATX 300 System	Typically, four seats on the right display. The left display is blank. This may differ depending on how the integrator set up the ATX room. 	The entire RPX suite. Two seats are shown on the left display and two seats are shown on the center display. The right display is blank. 
RPX 200 Series	OTX 100 System	The entire OTX 100 room. Four seats are shown on the right display. The left display is blank. 	The right two seats at the RPX main table. 

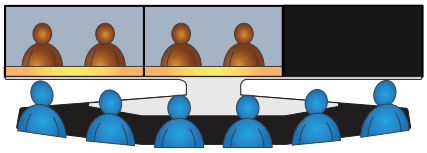
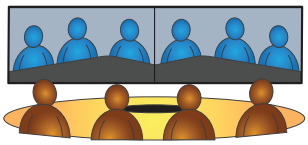
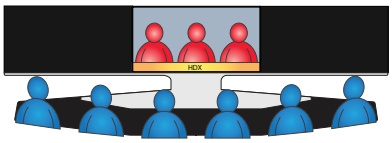
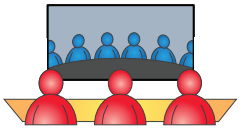
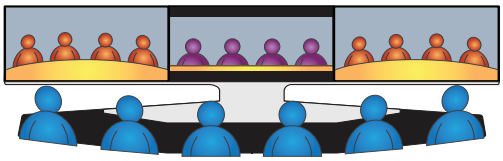
If you make a call between an...	To a/an...	This is what you will see in your RPX suite...	This is what the far site will see...
RPX 200 Series	TPX 204M or ATX 200 System	The entire TPX 204 room. Two seats are shown on each display. For ATX rooms, it depends on how the integrator set up the room. 	The entire RPX suite. Two seats are shown on each display. 
RPX 200 Series	Traditional (standalone) video conferencing system (such as a Polycom HDX Series or RealPresence Group Series system)	The people at the far site on the right display. The left display is blank. 	The right two seats at the RPX main table. 
RPX 400 or 200 Series	More than one other site (multipoint call)	In multipoint calls, what you see and what the far site sees depends on a variety of factors including the number of sites in the call, the types of systems in the call, the cameras being used, and so forth. If a site is using the VNOC, the VNOC operator usually configures the layout so that every site sees all the other sites in the call. The following illustrations show what you might see with one RPX 400 Series, one RPX 200 Series, and one TPX 306M system, Version 2.0 (with EagleEye HD 1080i cameras) in a multipoint call. This is the view from the RPX 400 suite:  This is the view from the RPX 200 suite: 	

Viewing People in an Open Telepresence Experience® (OTX®) Room

The following table describes what you can expect to see when you view the people at the other sites during a telepresence conference in an OTX 300, TPX 306, ATX 300, or OTX Studio room. Note that your table may look different than the table in the following figures.

If you make a call between an...	And a/an...	This is what you will see in your OTX 300 or OTX Studio room...	This is what the far site will see...
OTX 300 or OTX Studio System	Immersive Studio 9-Seat	The entire Immersive Studio room. Three seats are shown on each display. 	The entire OTX 300 or OTX Studio room. Two seats are shown on each display and fill the display. 
OTX 300 or OTX Studio System	OTX 300, TPX 306, ATX 300, or OTX Studio System	The entire OTX 300, TPX 306, or OTX Studio room. Two seats are shown on each display. For ATX rooms, it depends on how the integrator set up the room. 	The entire OTX 300 or OTX Studio room. Two seats are shown on each display. 

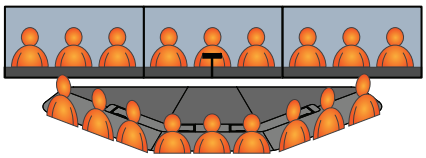
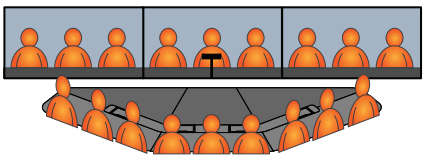
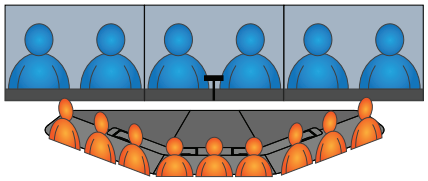
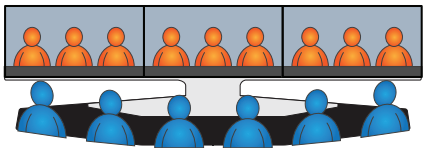
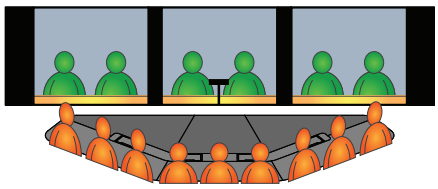
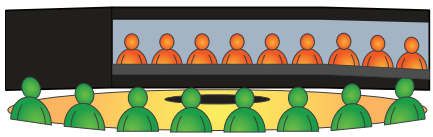
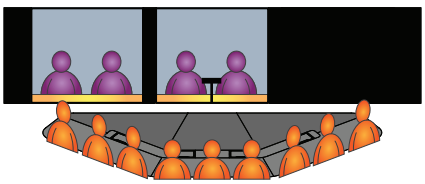
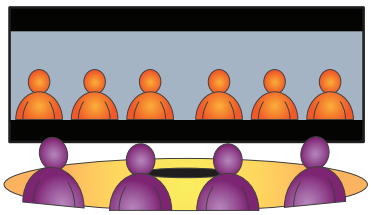
If you make a call between an...	And a/an...	This is what you will see in your OTX 300 or OTX Studio room...	This is what the far site will see...
OTX 300 or OTX Studio System	RPX 400 Series or ATX 400 room	For OTX 300, the right six seats at the RPX main table. Two seats are shown on each display. For ATX rooms, it depends on how the integrator set up the room.  For OTX Studio, the right six seats at the RPX main table. Two seats are shown on each display. 	The entire OTX 300 or OTX Studio room. Two seats are shown on the far right display, on the center right display, and on the center left display. The far left display is blank. 
OTX 300 or OTX Studio System	RPX 200 Series	For OTX 300, the entire RPX Suite. Two seats are shown on the left display and two seats are shown on the center display. The right display is blank.  For OTX Studio, the entire RPX Suite. Two seats are shown on the left display and two seats are shown on the center display. The right display is blank. 	The entire OTX 300, TPX 306, or OTX Studio room. Three seats are shown on each display.  For ATX 300, typically, four seats on the right display. The left display is blank. This may differ depending on how the integrator set up the ATX room. 

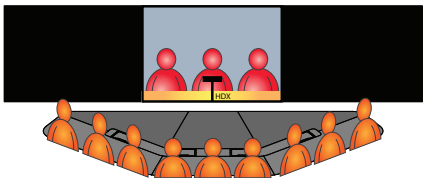
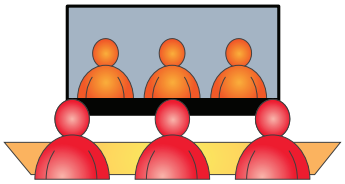
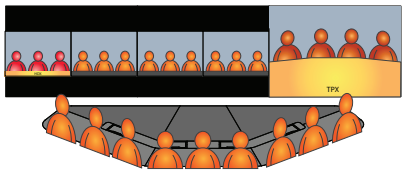
If you make a call between an...	And a/an...	This is what you will see in your OTX 300 or OTX Studio room...	This is what the far site will see...
OTX 300 or OTX Studio System	TPX 204M or ATX 200 System	The entire TPX 204M room. Two seats are shown on the center display and two seats are shown on the left display. The right display is blank. For ATX rooms, it depends on how the integrator set up the room. 	The entire OTX 300 or OTX Studio room. Three seats are shown on each display. 
OTX 300 or OTX Studio System	Traditional video conferencing system (such as a Polycom HDX Series or RealPresence Group Series system)	The people at the far site on the center display. The left and right displays are blank. 	The center four seats and a portion of the left and right seats at OTX 300 or OTX Studio table. 
OTX 300 System	More than one other site (multipoint call)	In multipoint calls, what you see and what the far site sees depends on a variety of factors including the number of sites in the call, the types of systems in the call, the cameras being used, and so forth. If a site is using the VNOC, the VNOC operator usually configures the layout so that every site sees all the other sites in the call. The following illustration shows what you would see in an OTX 300 room when in a multipoint call with two TPX 306M sites and one RPX 200 Series site. The left and right displays show the TPX 306M sites; the center display shows the RPX 200 site. 	

Viewing People in a RealPresence Immersive Studio™ Room

The following table describes what you can expect to see when you view the people at the other sites during a telepresence conference in an Immersive Studio room. Note that your table may look different than the

table in the following figures.

If you make a call between an...	And a/an...	This is what you will see in your Immersive Studio 9-Seat room...	This is what the far site will see...
Immersive Studio 9-Seat	Immersive Studio 9-Seat	The entire Immersive Studio room. Three seats are shown on each display. 	The entire Immersive Studio room. Three seats are shown on each display. 
Immersive Studio 9-Seat	OTX 300, TPX 306, ATX 300, or OTX Studio System	The entire OTX 300, TPX 306, or OTX Studio room. Two seats are shown on each display and fill the display. For ATX rooms, it depends on how the integrator set up the room. 	The entire Immersive Studio room. Three seats are shown on each display. 
Immersive Studio 9-Seat	RPX 400 Series or ATX 400 room	Six of the eight seats at the RPX main table shown. Far left camera not shown. Left and right images are offset on screens. For ATX rooms, it depends on how the integrator set up the room. 	The entire Immersive Studio room. Two seats are shown on the far right display, on the center right display, and on the center left display. The far left display is blank. 
Immersive Studio 9-Seat	RPX 200 Series	The entire RPX Suite. Two seats are shown on the left display (offset) and two seats are shown on the center display. The right display is blank. 	Three people in Immersive Studio room are not seen. Black borders appear on top and bottom of RPX display. 

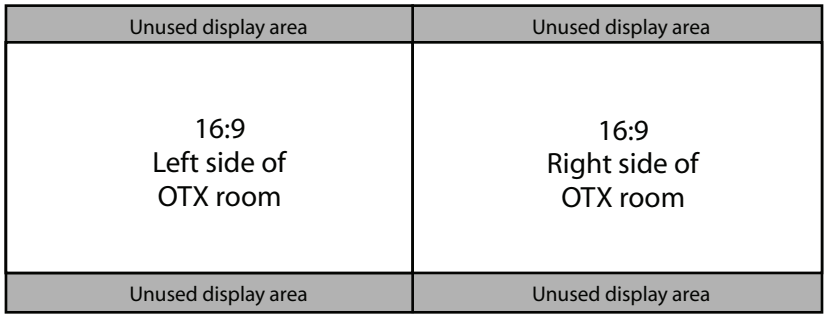
If you make a call between an...	And a/an...	This is what you will see in your Immersive Studio 9-Seat room...	This is what the far site will see...
Immersive Studio 9-Seat	Traditional video conferencing system (such as a Polycom HDX Series or RealPresence Group Series system)	The people at the far site on the center display. The left and right displays are blank. 	The center three seats at Immersive Studio 9-seat table. Six people not seen. 
Immersive Studio 9-Seat or OTX Studio	More than one other site (multipoint call)	In multipoint calls, what you see and what the far site sees depends on a variety of factors including the number of sites in the call, the types of systems in the call, the cameras being used, and so forth. If a site is using the VNOC, the VNOC operator usually configures the layout so that every site sees all the other sites in the call. The following illustration shows what you would see in an Immersive Studio room when in a multipoint call with one HDX site, one Immersive Studio site, and one TPX site. 	

Video Aspect Ratios

Because different types of video conferencing systems use different aspect ratios for their video images, ITP systems automatically adjust the video for your displays. Most systems use either 4:3 aspect ratio (such as an RPX suite) or 16:9 aspect ratio (such as an OTX, TPX, Immersive Studio, or OTX Studio system).

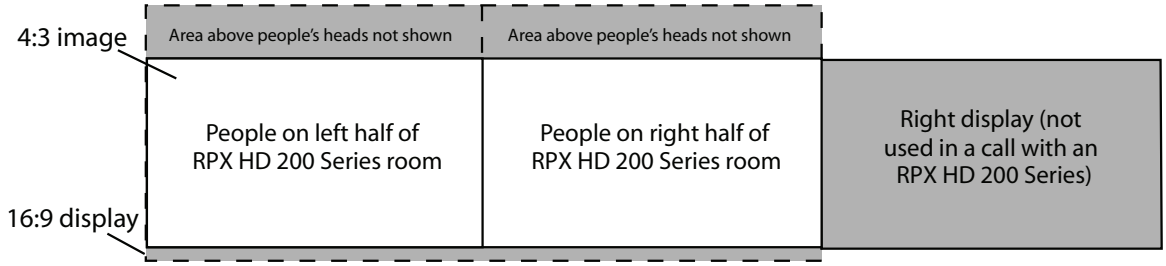
For example, if you call a Polycom OTX, TPX, Immersive Studio, or OTX Studio room from an RPX 200 Series suite, the image on the displays in the RPX suite adjusts for the 16:9 OTX, TPX, Immersive Studio, or OTX Studio room. Therefore, this is what you can expect to see on the displays in the RPX suite.

Example of an adjusted display in an RPX suite



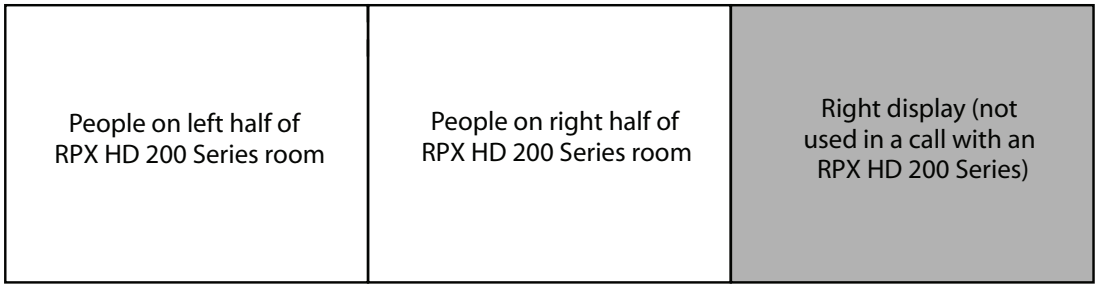
In the OTX and TPX room, the image automatically adjusts so the people in that room see a real-size view of the people in the RPX suite. This is the view in the OTX room.

Example of an adjusted display in an OTX room



In the Immersive Studio and OTX Studio room, the image automatically adjusts so the people in that room see a real-size view of the people in the RPX suite. This is the view in the Immersive Studio room.

Example of an adjusted display in an Immersive Studio room



Viewing Content

Your ITP system enables you to view content (such as slides, spreadsheets, or other documents) during your telepresence conference. You can also receive content from the other site(s) in the conference.

You can display content at your site using a laptop in the room or a laptop with People+Content IP. You can also display content using an optional document camera. Whenever you display or receive content, that

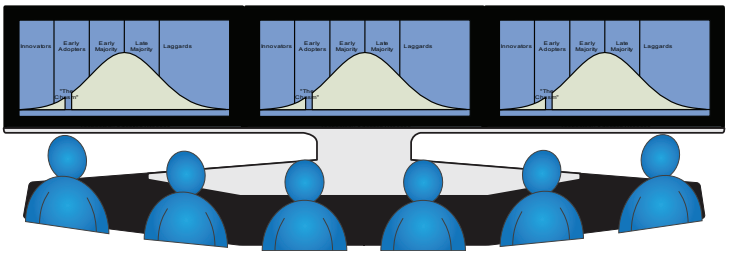
content automatically appears on the tabletop content monitors in an RPX suite, OTX or OTX Studio room. The content automatically appears on the content display in an Immersive Studio room.

You can show one type of content and one people video source at a time, and you can switch to a different type of content or people video source if necessary.

If you are using the ITP room for a regular meeting rather than for a telepresence conference, you can still view content on the content monitors.

In an OTX 300 or OTX Studio room, you can also view the content on the three displays on the video wall (if your system administrator has configured your system to do so). In an Immersive Studio room, the presenter can move the content from the content display to the three people displays to view detailed content.

Viewing content on the people displays in an OTX 300 or OTX Studio room

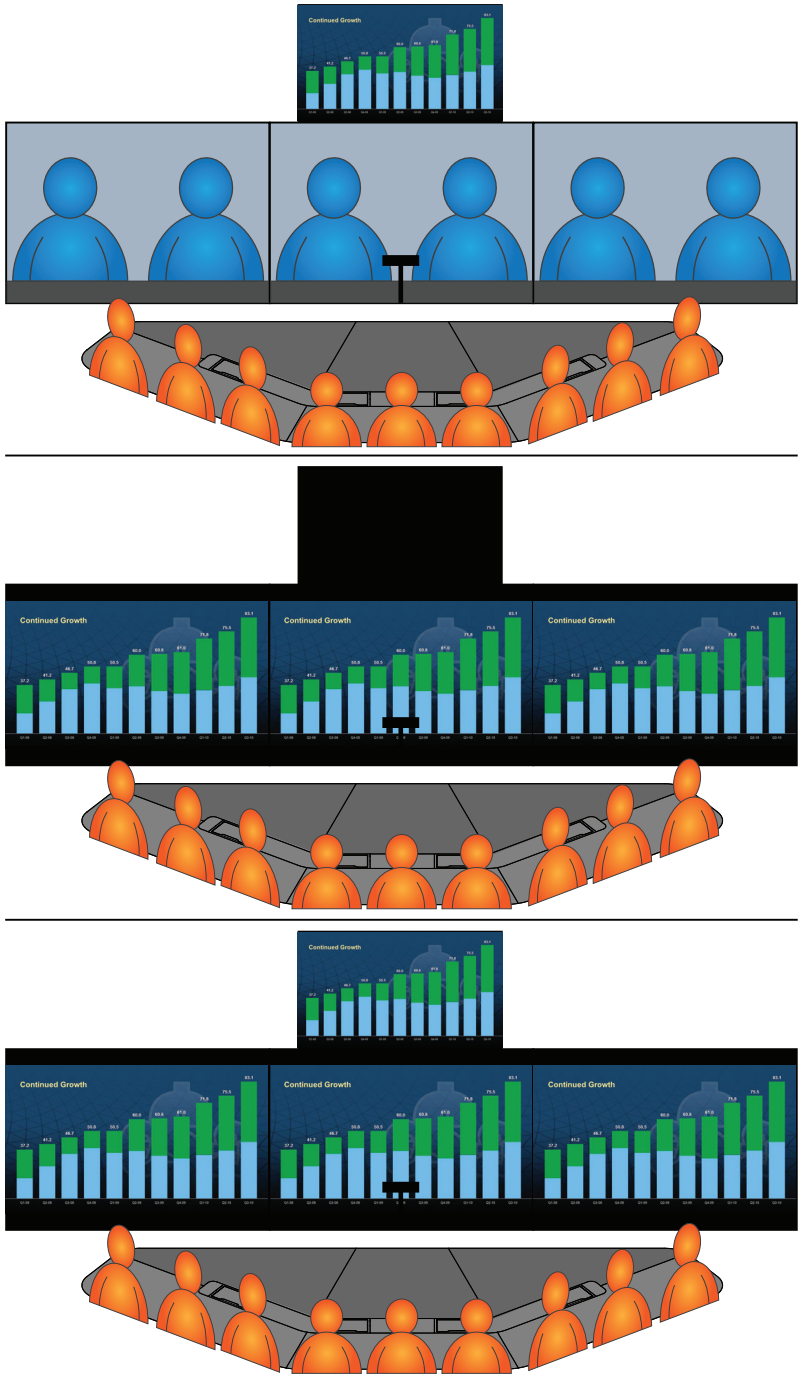


If you are not in a call and you are showing content on the three displays in your OTX 300 or OTX Studio room, and then a call is connected:

- The content on the front displays will be replaced by the video of the people at the far site.
- The content on the tabletop content monitors will stop displaying until new content is shared.

In an Immersive Studio room, you can view content on the content display, the three people displays, or all four displays during a regular meeting, when not in a teleconference.

Viewing content in an Immersive Telepresence room



If you are not in a call and you are showing content on all four displays (three people displays and one content display), and then a call is connected:

- The content on the people displays will be replaced by the video of the people at the far site.
- The content on the content display will stop displaying until new content is shared.

While in a call, near or far content displays on the content display, but you can move the content using the touch controller to any or all of the people displays.

- If you move the content from the content display to the center people display, the video from the center people display moves to the content display.
- If you move the content to the left or right display, the people video from the respective display will move to the content display.
- If the content is displayed on all three people displays, the people video from the center display moves to the content display. The other two people videos do not show on any display.
- If you move the content to all four displays, people video will not show on any display.