


**Internet2 Member Meeting
Arlington, VA, April 29, 2009**



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**Teaching and Learning through Immersive
Telepresence**

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Video clip:
Telepresence Overview
(3 minutes)

Telepresence Solutions

Immersive Telepresence

Telepresence

Personal Telepresence

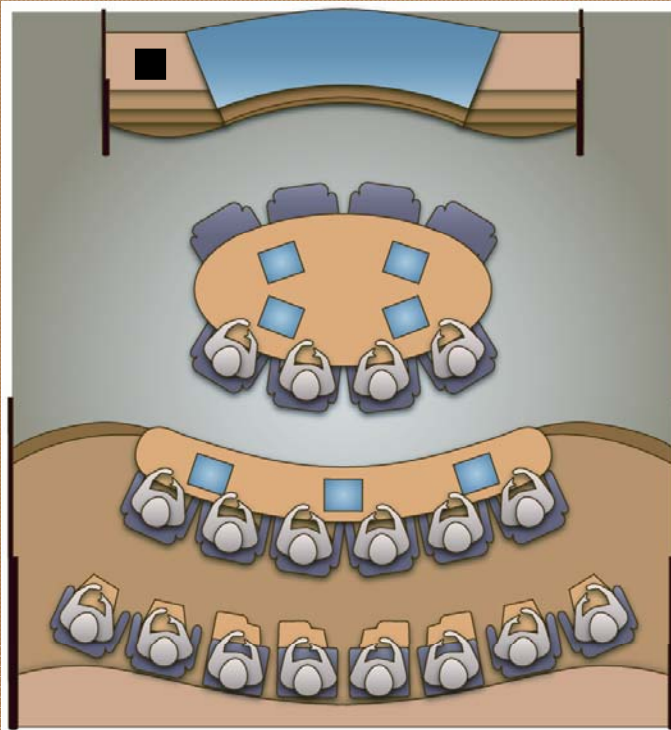


Video Technology
Audio Technology

RealPresence™ Experience HD

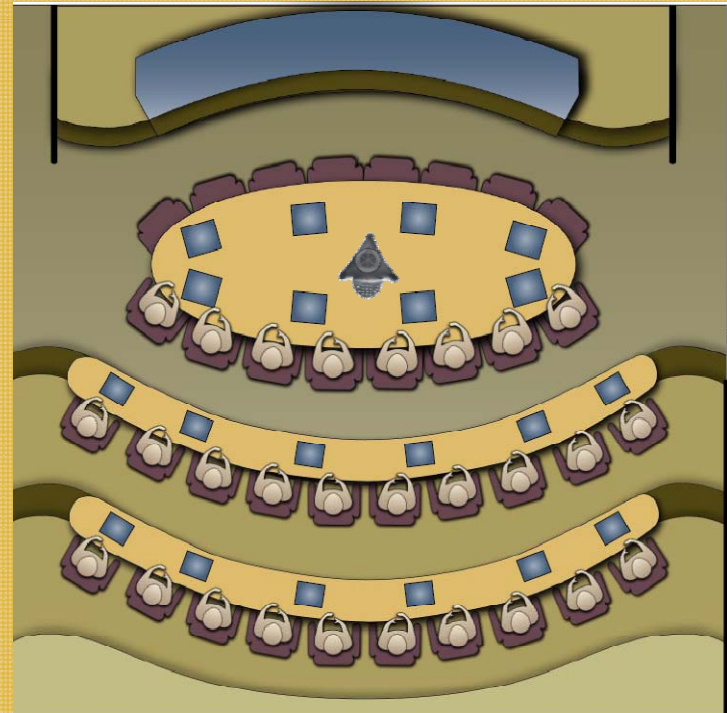
RPX HD 200 Series

2 screens, 4-18 people on camera
(204, 208M, 210M, 210M+, 218M)

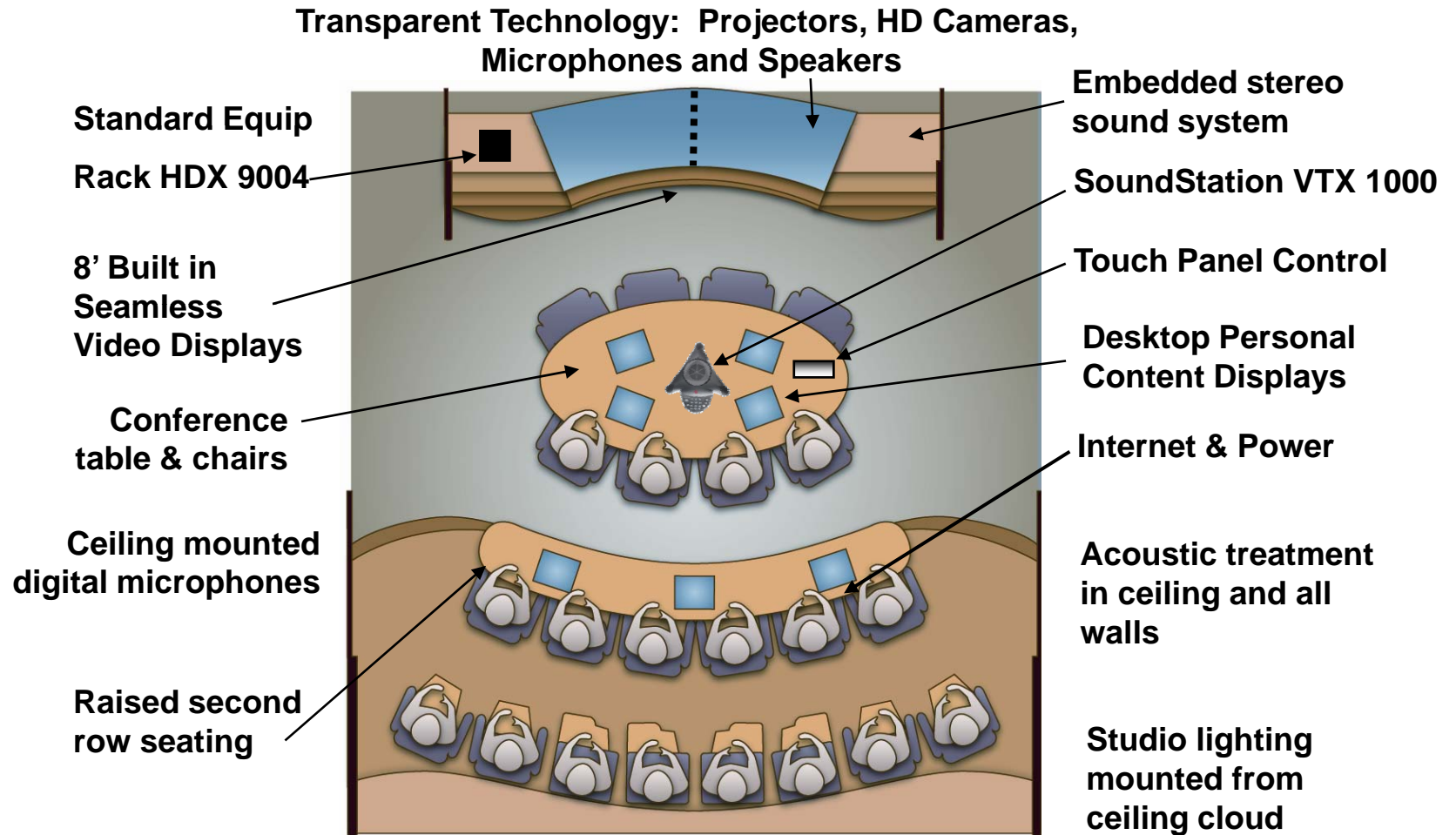



RPX HD 400 Series

4 screens, 8-28 people on camera
(408M, 418M, 428M)



Polycom[®] RPX[™] HD 200 Series





Video clip:
Understanding HD
(6 minutes)

Immersive Telepresence Management Options

▶ Complete Outsource Management

- Complete outsource service provides remote monitoring, fault management, scheduling, conference management, and reporting
- Video Network Operations Center (VNOC) service

▶ Partial Outsource Management

- Customer managed scheduling, conference management, and reporting, with outsource service providing remote monitoring and fault management
- New Assisted Operations Service (AOS)

▶ Customer Management

- Customer managed scheduling, conference management, reporting, remote monitoring, and fault management

Network Operations Center (VNOC) Service

- ▶ Conference Scheduling
- ▶ Conference Management
- ▶ Remote Monitoring of Technology Components
- ▶ Fault Management
- ▶ Optional VNOC Services
- ▶ Monthly Reporting
- ▶ Customer Account Initiation
- ▶ VNOC Models
- ▶ Network Connectivity
- ▶ Available 24 x 7 x 365

NEW Assisted Operations Service (AOS)

- ▶ Remote Monitoring of Technology Components
- ▶ Fault Management
- ▶ Customer Account Initiation
- ▶ Network Connectivity

NEW Single Touch Multipoint for Immersive Telepresence

One single press of a button will automatically join you to a conference



Network Requirements for Telepresence

- ▶ Packet loss – max 0.1% (average over 5min interval)
 - Lost Packet Recovery (LPR)
- ▶ Network delay – max 150ms
 - Video endpoints and multipoint server delay is in addition
- ▶ Jitter – max 40ms
 - More forgiving in real networks



Video clip:
Immersive Telepresence for
Education



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Teaching and Learning through Immersive Telepresence

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