



# Building Connected Communities

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# RIT Collaboration Grid

- Work to date
- Plan forward
- Locations
- Quality
- Maintenance
- User Interface

# RIT Collaboration Grid

Work to date

- Access Grid Conference Room
- Access Grid Lab
- Access Grid Social Space Experiment

# RIT Collaboration Grid

Plan forward

12 "CyberPortals" connecting RIT communities on and off-campus with high quality life sized, persistent, public, audio and video

# RIT Collaboration Grid

## Locations

- 7 Colleges of RIT
- National Technical Institute for the Deaf
- Center for Integrated Manufacturing Studies
- Student Alumni Union
- Library
- High Tech Incubator
- President's House
- Kosovo
- Croatia
- Dubai

# RIT Collaboration Grid

## Quality

- Full High Definition video (1920x1080 uncompressed; UltraGrid)
- 10 Gigabit ethernet network
- Life sized 52" LCD displays
- Echo cancellation plus restricted audio dispersal

# RIT Collaboration Grid

## Maintenance

- Local hardware vs. central hardware
- Cloning
- VNC
- Physical security

# RIT Collaboration Grid

## User Interface

- vic paradigm--DV "thumbnails" to full sized HD image
- thumbnail "dock" over main image or on 2nd display
- user selectable single or multiple streams for display on main LCD

# RIT Collaboration Grid

## More Questions

- integrating uncompressed HD video into AG
- multicast at 250 Mbps to 10 Gbps
- "thin client" AG
- user selectable, dynamic, ad hoc subvenues
- private audio subvenues
- meta map of who's in what subvenues
- touchscreen display
- remote mirrored display on smaller console
- "touchless" control via Wii, Eye-tracking, etc.

# RIT Collaboration Grid

## Supporters



# RIT Collaboration Grid

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