Technology demonstration

Real-time Remote Desktop
Zero-client solution for dynamic visualization

Mission-critical visualization at any operator position

Remote collaborative displays

Zero-client crew stations

Remote workstations & servers

Media network
Features

CAPABILITIES

Functionality
- Connect any user to any computer
- Share any display with multiple users
- Pixel-perfect image distribution
- Multiple displays per user
- Interactive user controls
  - keyboard
  - mouse
  - touch screen

Performance
- 10Gb Ethernet
- Near-zero latency
- Deterministic user interaction
- Dynamic graphics
- Full frame rate HD video
- Radar, sonar, and other sensor imagery

Mission assurance
- High reliability
- Enables systems that are
  - modular
  - configurable
  - scalable
  - extensible
  - fail-safe

Information assurance
- State-less client
- No OS, patches, updates
- Malware/virus proof
- Enables centralized computer administration and access authentication

APPLICATIONS

Remote crew stations
- Networked access to multiple computers
- Enables centralized computing away from operator positions
- Supports evolution to a virtual desktop infrastructure

Remote displays
- Share dynamic desktops between operators
- Share dynamic desktops to large-area displays for collaborative viewing

BENEFITS

Reduced Total Cost of Ownership
- Lower investment
- Lower operational cost
- Lower maintenance cost
- Seamless tech refresh

Reduced SWaP
- Ultra-thin client
- Very small hardware footprint
- Increased client ergonomics

High availability
- Servers and application software managed at the data center
- Lower security risk
- Rapid failure recovery

Agility
- System configuration defined by software
- Rapid deployment of additional clients

TECHNICAL SPECIFICATIONS

Conversion
- Digital/analog video to uncompressed IP

Resolution
- Up to 2560x1600 or 2x 1920x1200

Security
- AES 128 encrypted video, data, control

Encoder
- Up to 2x DVI (DP/SDI/Composite/VGA)

Decoder
- 2x DVI

IP Connect
- 10GE Fiber Optic Interface

IP Standard
- AVB, IP, IGMP, PIM, RTP, RTCP, HTTP(s)

User Input
- USB

Audio
- Line-in, line-out, and mic-in