

Company Overview

Broadata Communications, Inc.

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Torrance, CA 90505

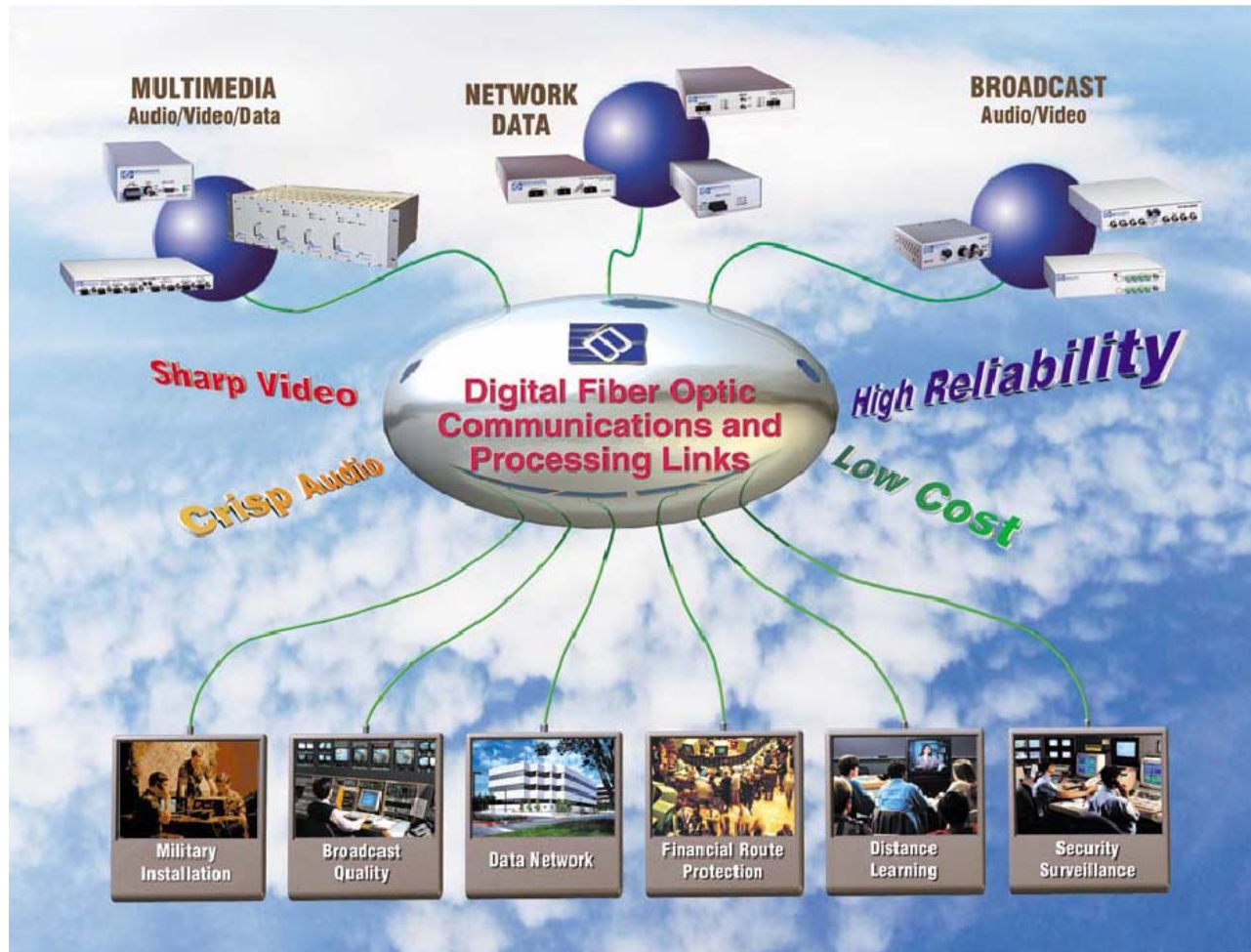
310-530-1416

www.broadatacom.com

Broadata Communications, Inc.

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BCI Products

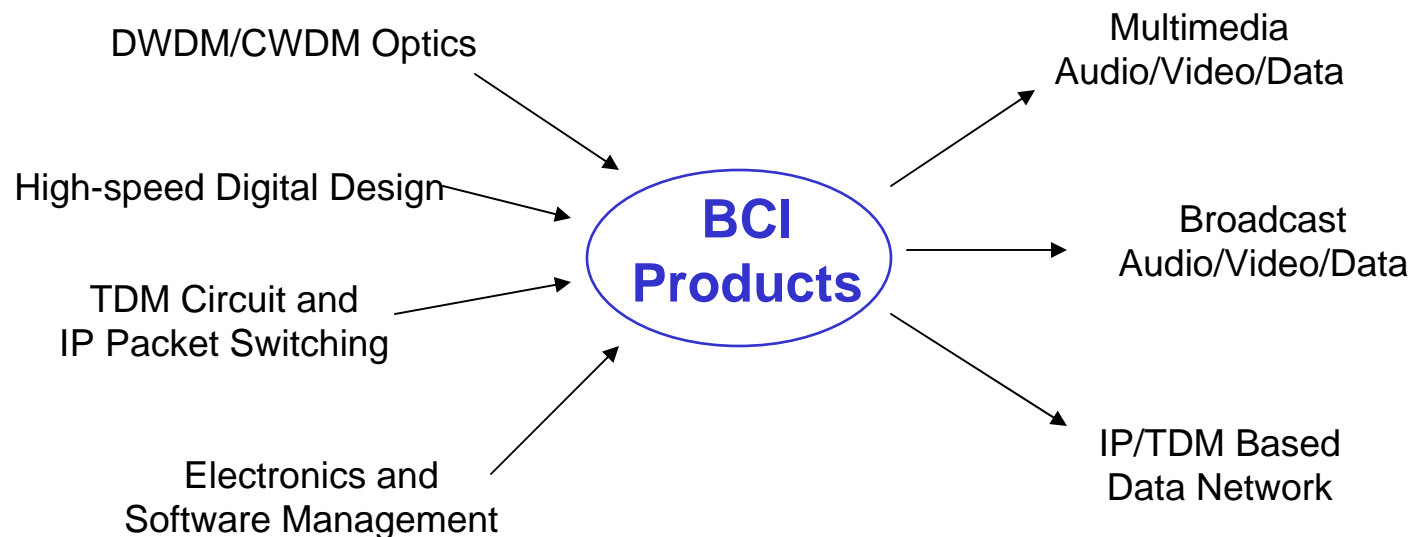


Company Overview

- BCI develops and manufactures fiber-optic communication products with 32 current product families spanning multiple addressable markets
- Profitable operation since its inception in 1999, commercial growth rate has exceeded 69% for the last three years.
- Robust intellectual property portfolio with 13 U.S./International patents (8 granted, 5 pending)
- Opportunities for business expansion
 - **ScreenLink™ Platform**
 - Digital signage and cinema links for theaters, malls, shopping centers, airports, subway stations
 - **Concierge™ Fiberstation**
 - Plu-and-play multimedia connectivity platform for hotels, convention, centers, boardrooms, universities and houses of worship
 - **Broadcast Facility Link Platform**
 - Broadcast Network Infrastructure for studios and stations
 - **StarWeb™ EPON**
 - Fibrt to the premises, TDM featured Ethernet networks
 - **New Product/Technology**

Technology Innovations

- Features Digital Fiber Optic Communications and Doing More with One Fiber
- Pedigree Optics Heritage and Innovative Intellectual Property
 - More than 15 years optical communication design experience
 - 13 U.S./International patents, 8 granted, 5 pending

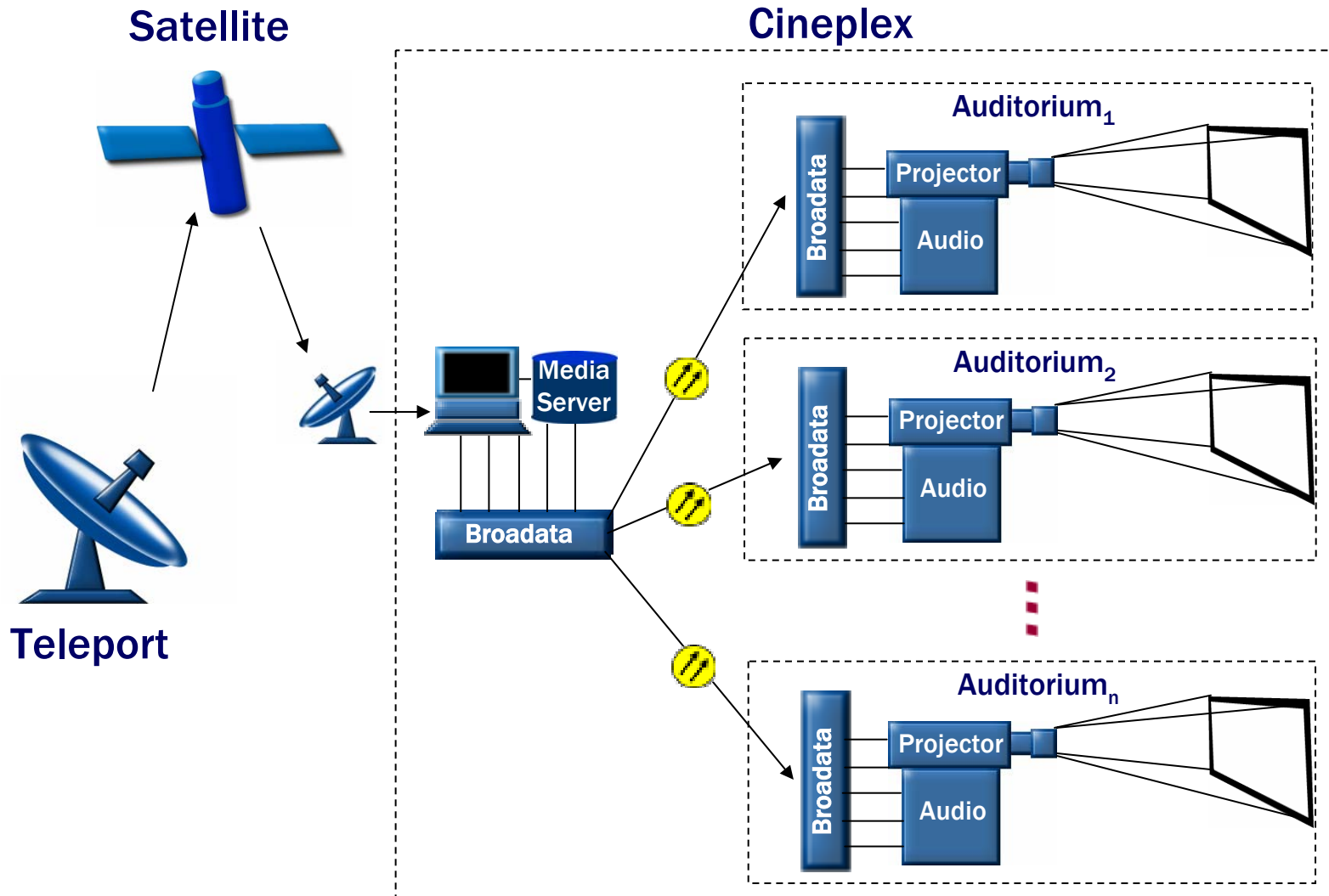


*ScreenLink*TM Platform

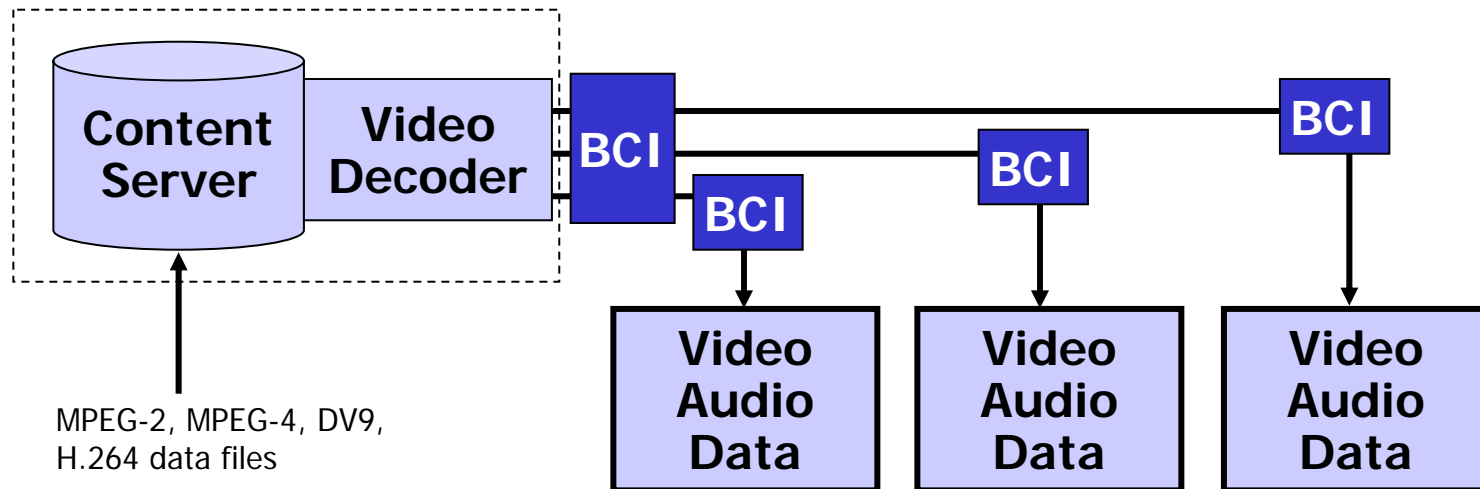


- **Fiber-optic Multi-media Connectivity for Digital Cinema Advertising and Digital Signage Applications in theaters, malls, shopping centers, airports, subway stations, etc.**
- **Provides numerous multi-media functions on a plug-and-play basis.**
 - RGBHV, DVI, HDTV Video Transmission
 - Switched 10/100BaseTX Ethernet
 - High Definition Stereo Audio, SPDIF, AES
- **Priced competitively to conventional copper-based solutions.**

Digital Cinema Advertising

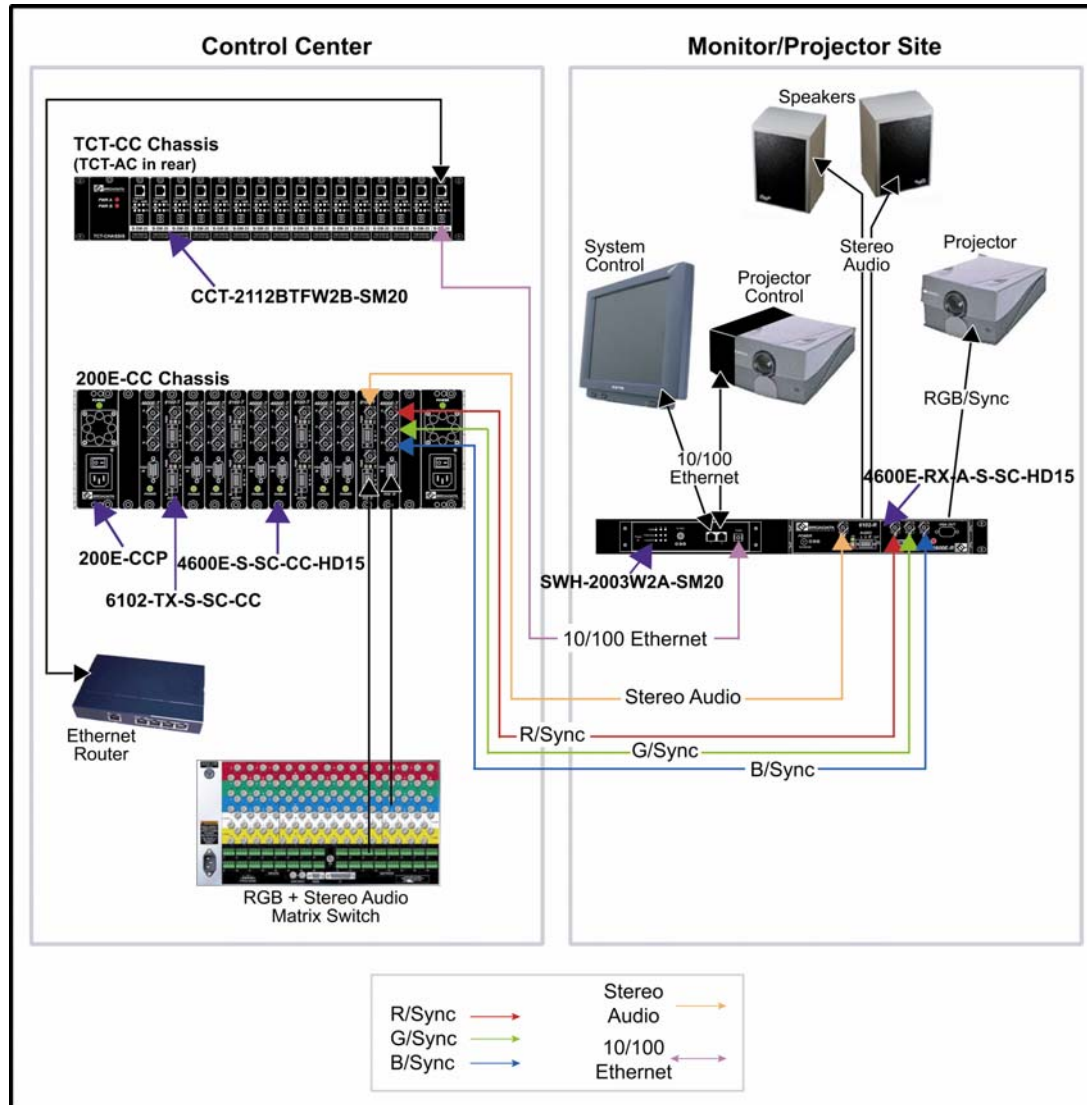


Digital Signage/Cinema



Video: Composite, S-Video, RGBHV, RGsB, DVI, HDTV
Audio: Analog Stereo Audio, SPDIF, AES/EBU
Data: RS-232, RS-422, RS-485, 10/100BaseTX

Typical System Setup

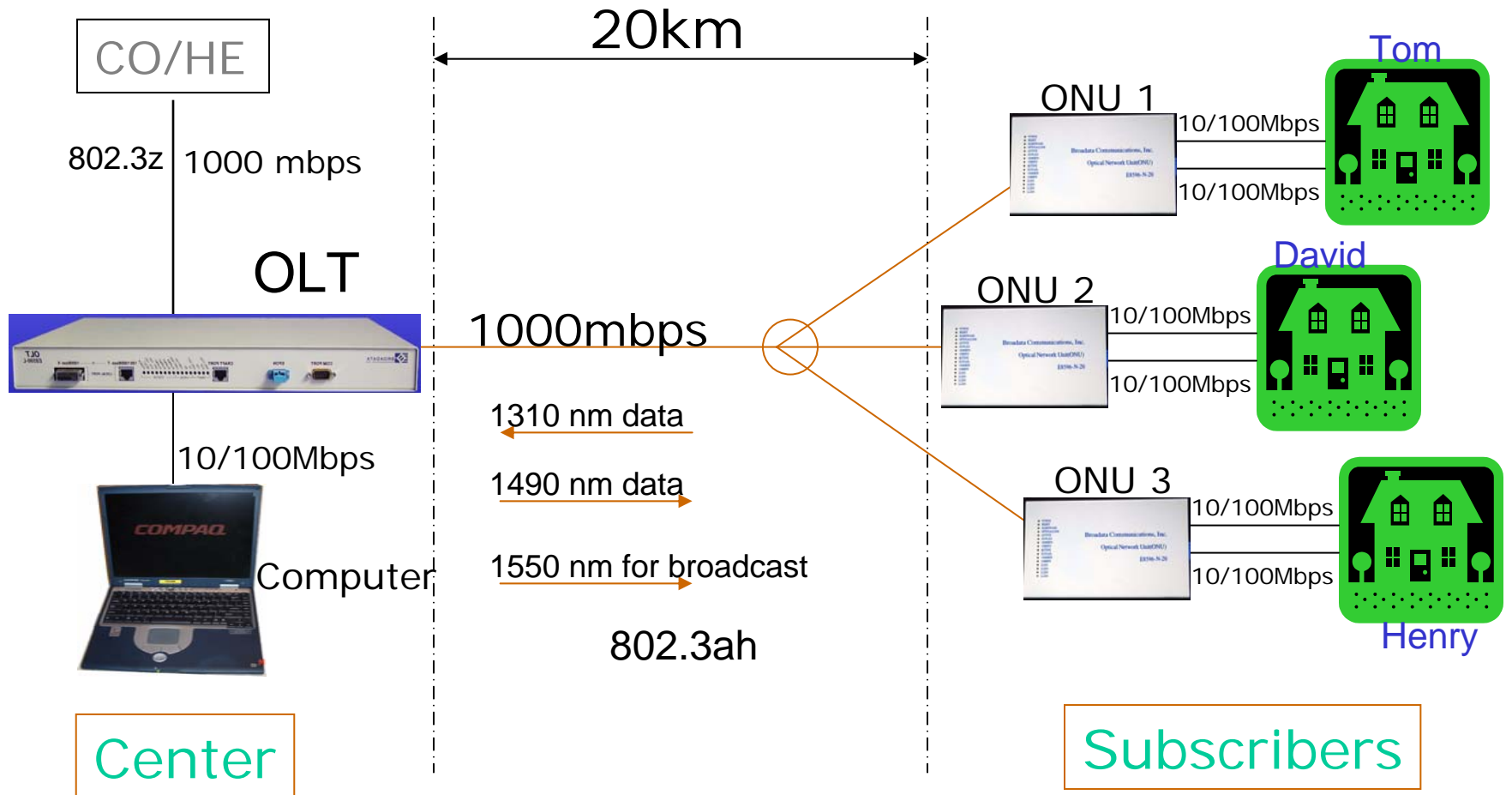


StarWeb[™] EPON System

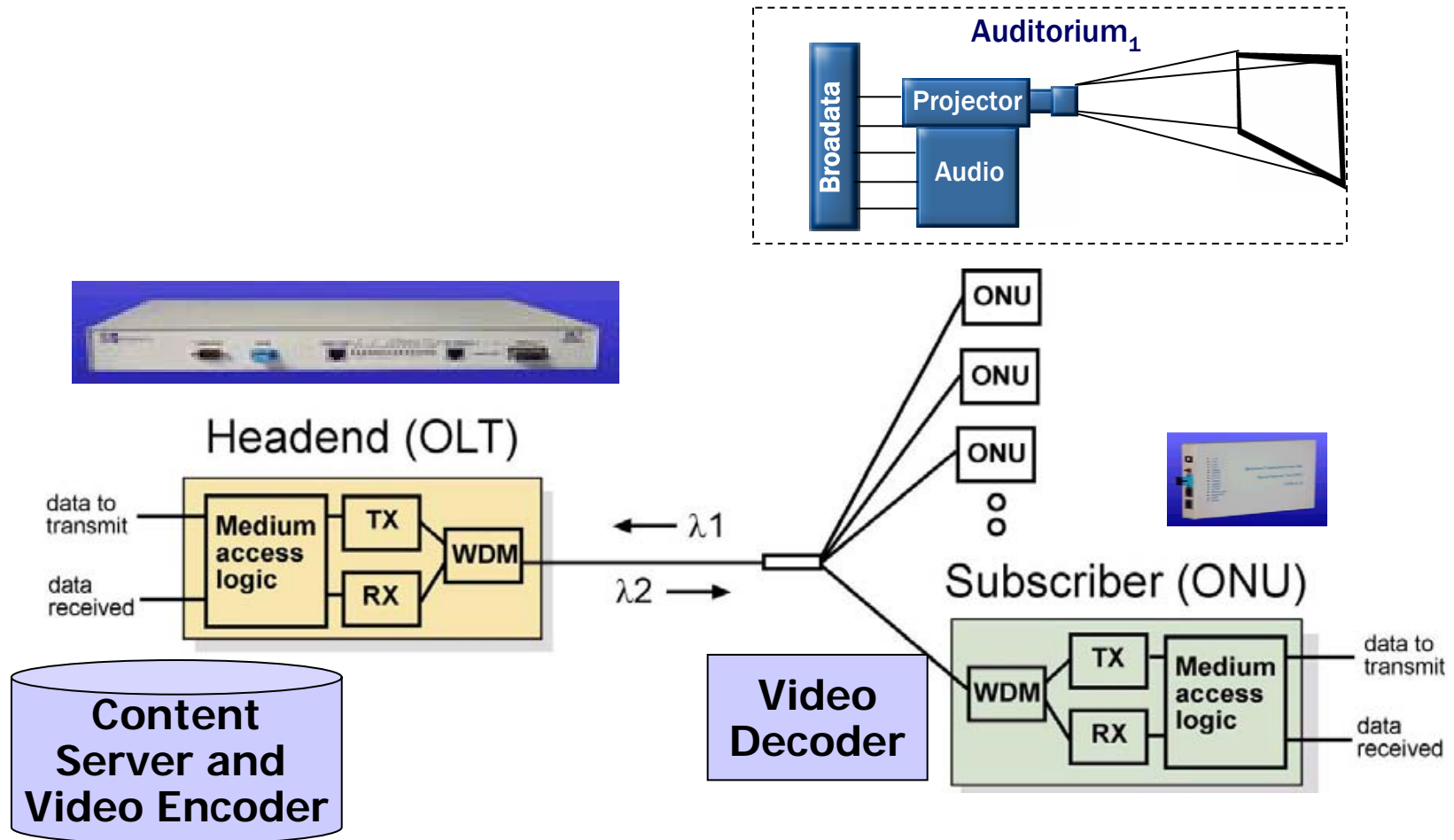


- **Based upon IEEE 802.3ah Ethernet Standard**
 - Symmetric 1.25 Gigabits/second transport
 - 1 OLT servers 32+ subscriber terminals (ONU) per single fiber
 - TDM quality Ethernet transmission
- **“Triple Play” functionality supporting telephony, broadcast video & data**
 - ASIC-based design enables superior price performance
 - Dynamic Bandwidth Allocation (DBA) with superior Quality of Service (QoS)
- **Each link features up to 4 separate Logical Link Identifiers**
 - Up to 4 Service Level Agreements supported for each subscriber ONU

EPON Topology

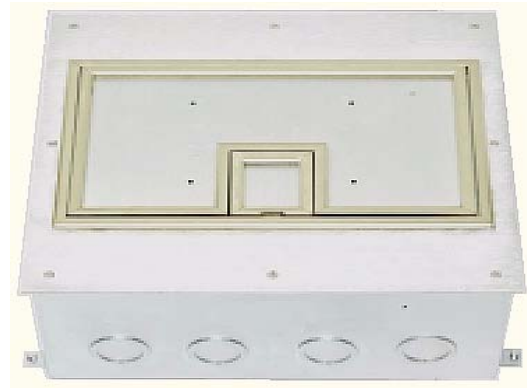


Broaddata EPON Architecture



MPEG-2, MPEG-4, DV9,
H.264 data files

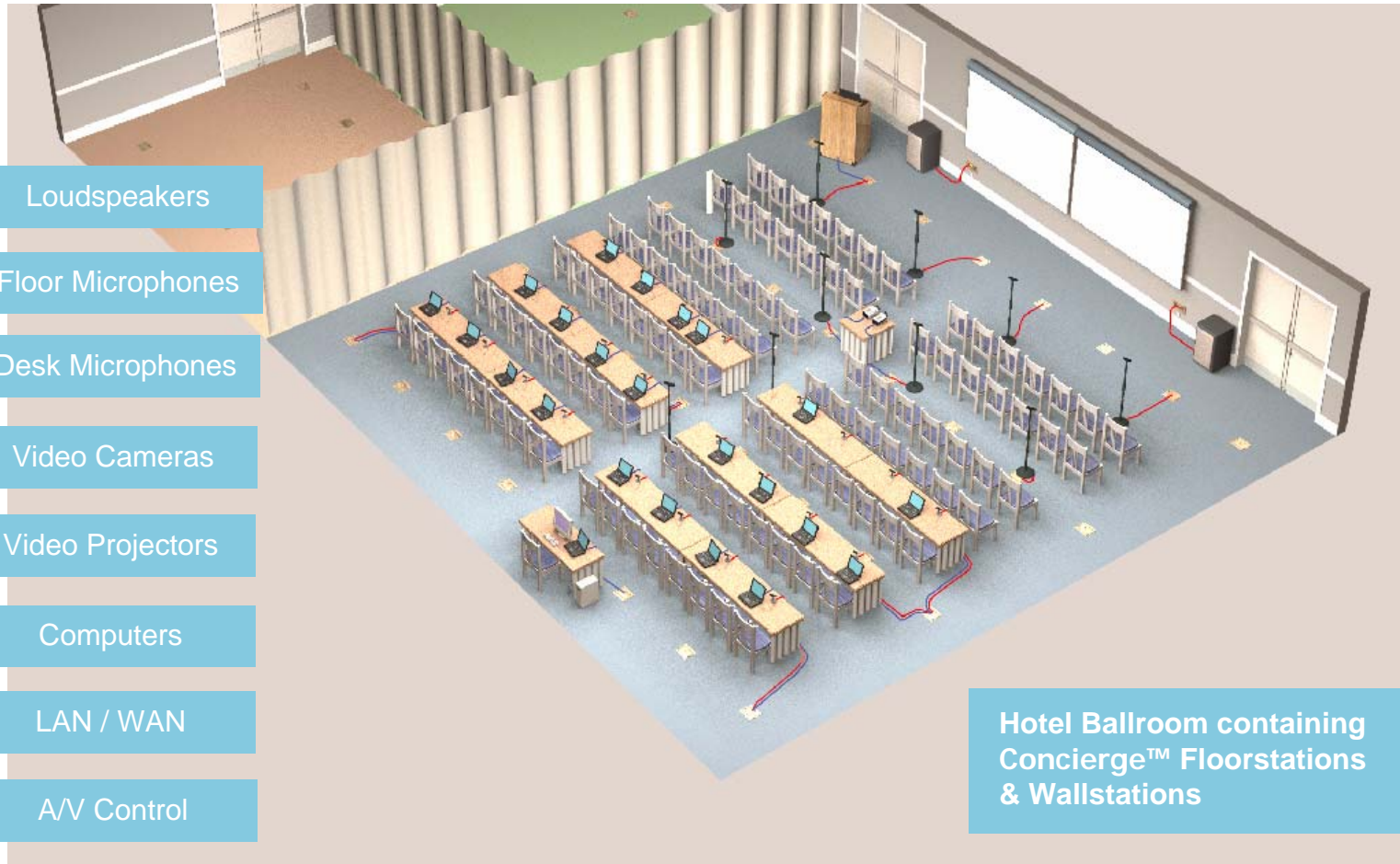
*Concierge*TM Fiberstation



- **First plug-and-play multi-media fiber-optic connectivity solution for:**
 - Hotels, convention centers, conference centers, boardrooms, universities and houses of worship
- **Provides numerous multi-media functions on a plug-and-play basis.**
 - Fits into industry standard construction floor and wall boxes.
 - Operates over long distances with no amplification.
 - Fiber-optic cable eliminates structural and electrical issues.
 - Bandwidth to fulfill 20+ years of applications growth.
- **Reduces installed system cost by greater than 50 percent versus conventional copper-based solutions.**

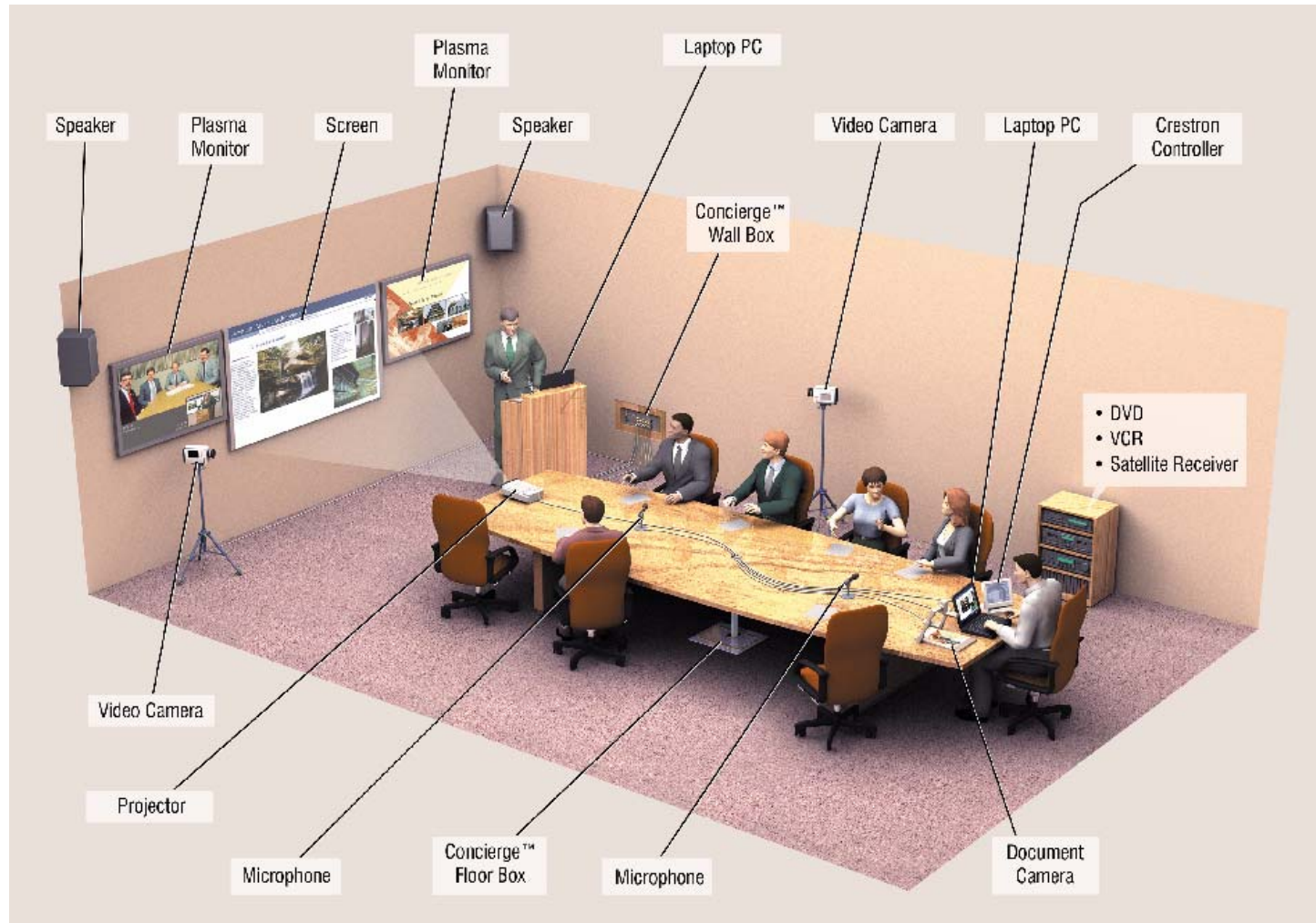
Concierge™ Fiberstation

Hotel Ballroom Event



Concierge™ Fiberstation

Conference Boardroom Event



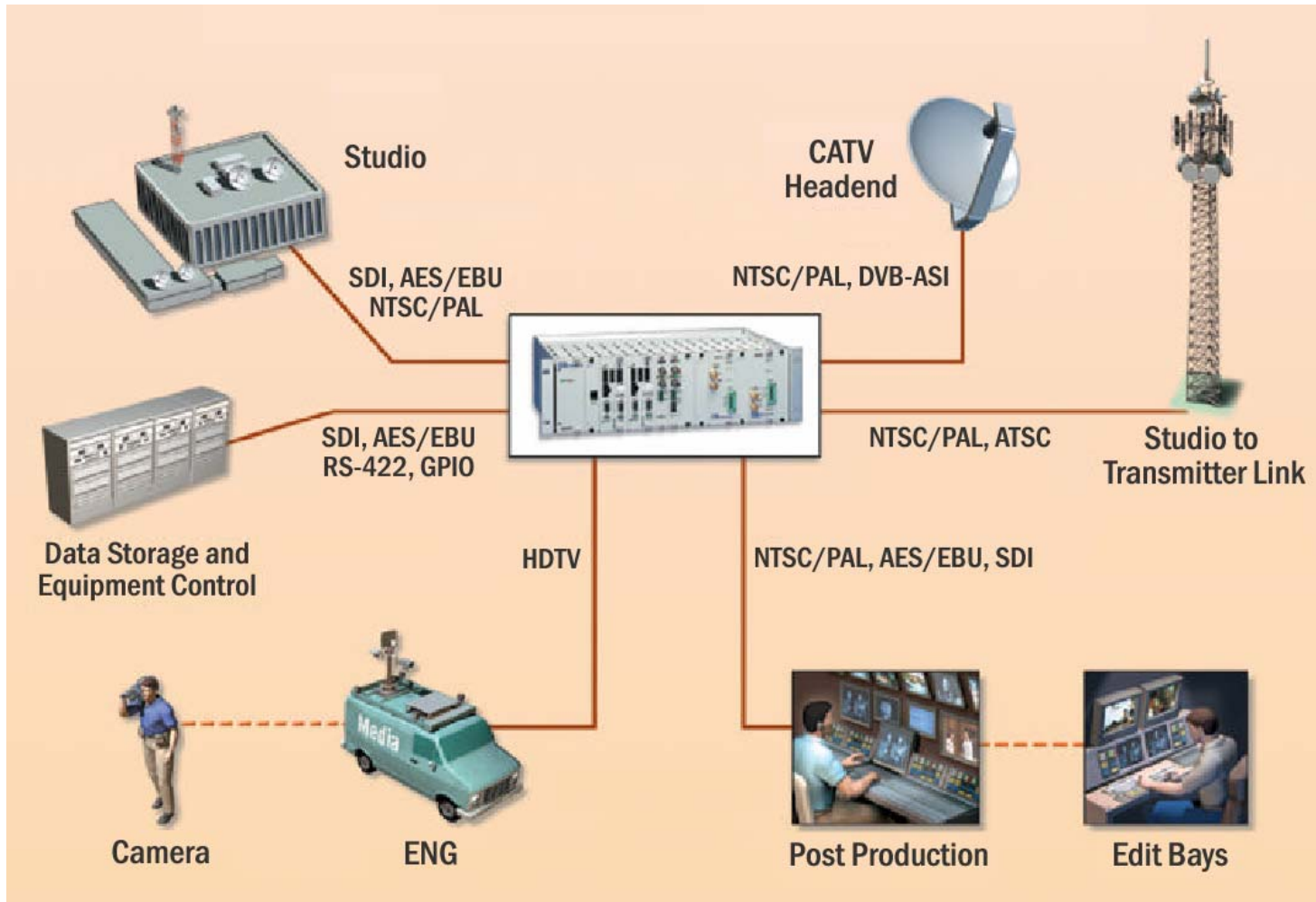
Proprietary

Broadcast Facility Link Platform



- **Fiber-optic Facilities Link for Broadcast Studios and Stations.**
- **Provides high reliability standards-based transmission at high density.**
 - Standard Definition Broadcast Quality Digital Video (720x480 pixels resolution)
 - High Definition Broadcast Quality Digital Video (1920 x 1080 pixels resolution)
 - AES/EBU, SPDIF Digital Audio
 - Broadcast Quality Analog Video and Analog Audio
 - RS-422, Ethernet, or GPIO control
- **Integrated network monitoring and management.**

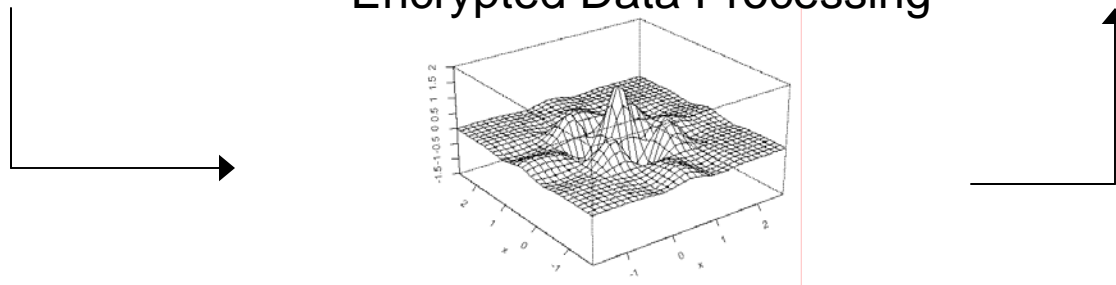
Broadcast Facility Link Platform



NextGen: HiMark

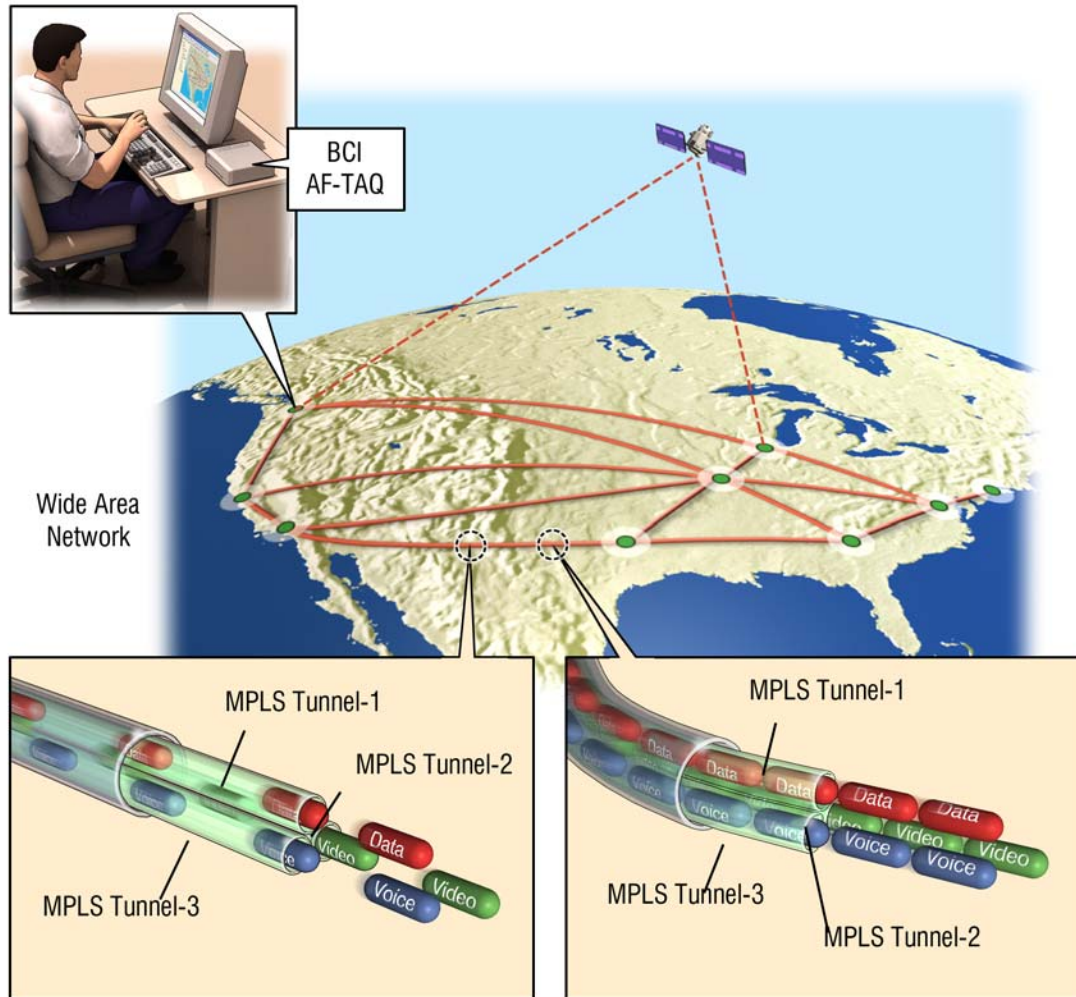


Encrypted Data Processing



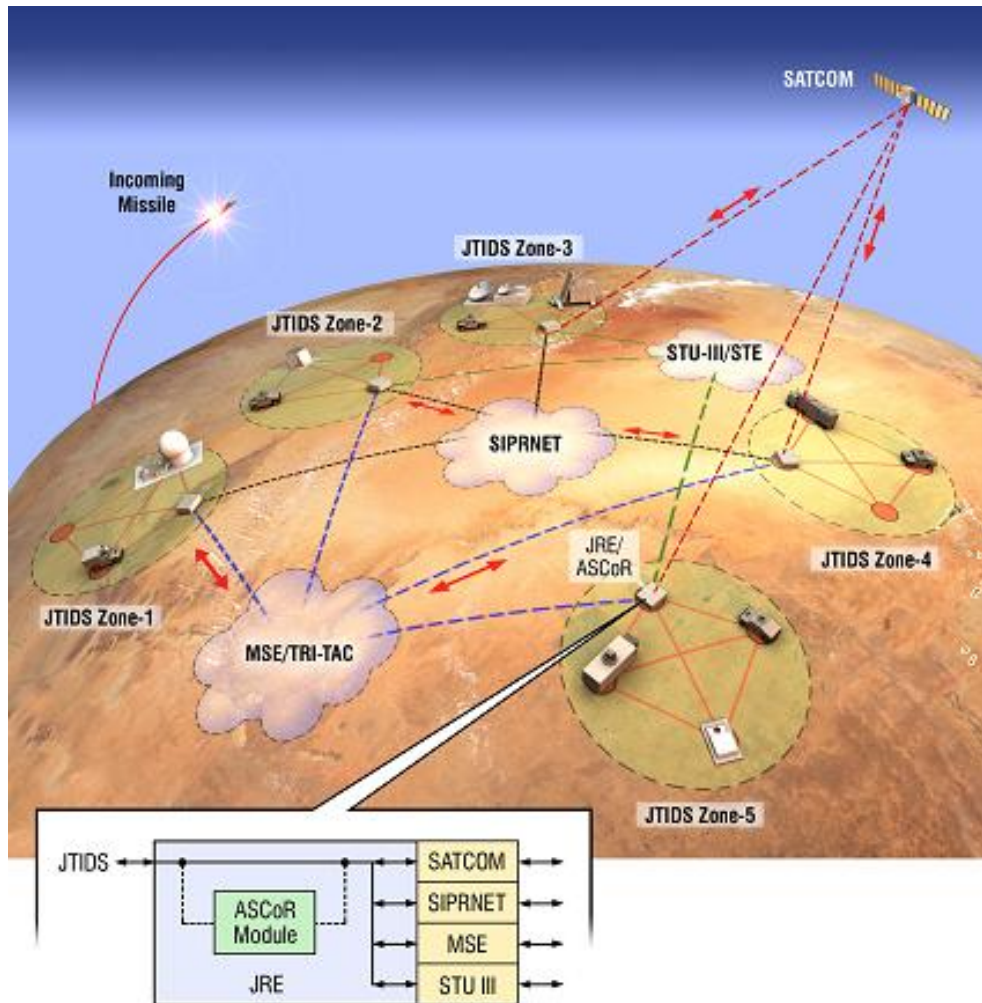
Highly encrypted raw data processing in a compression-excellent Wavelet transform allows a message to be covertly added to each frame of a video image without losing fidelity of the information.

NextGen: TAQ



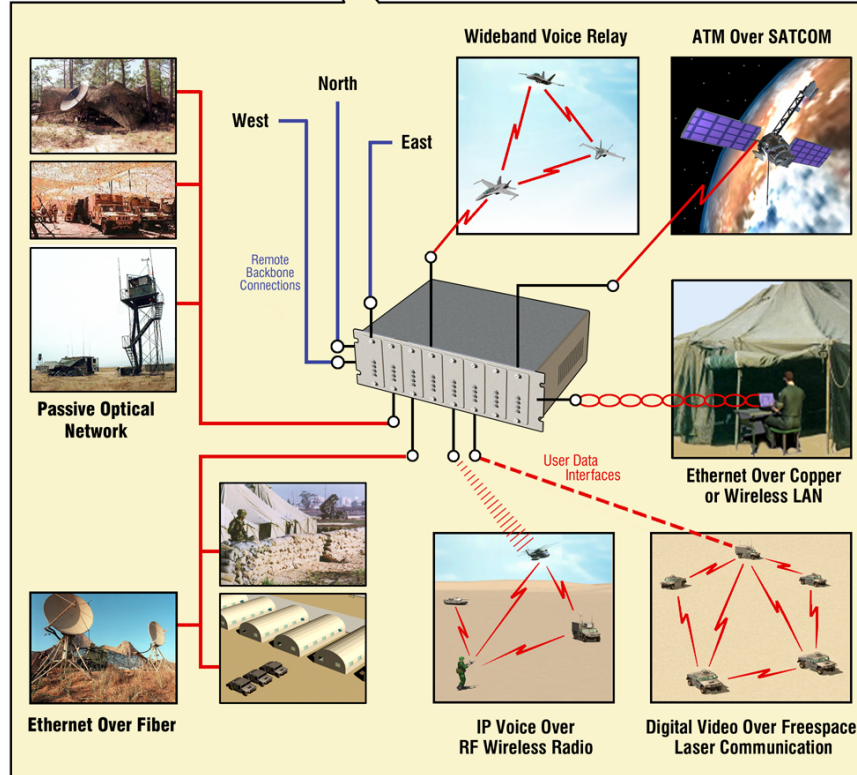
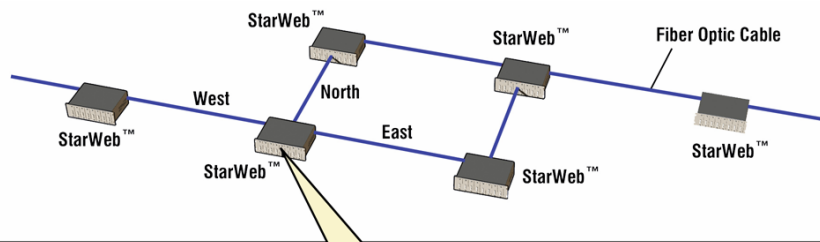
By advanced use of forward traffic prediction, the TAQ can reduce typical IP network traffic levels by up to 40%. This will result in significant increase on bandwidth utilization.

NextGen: ASCoR



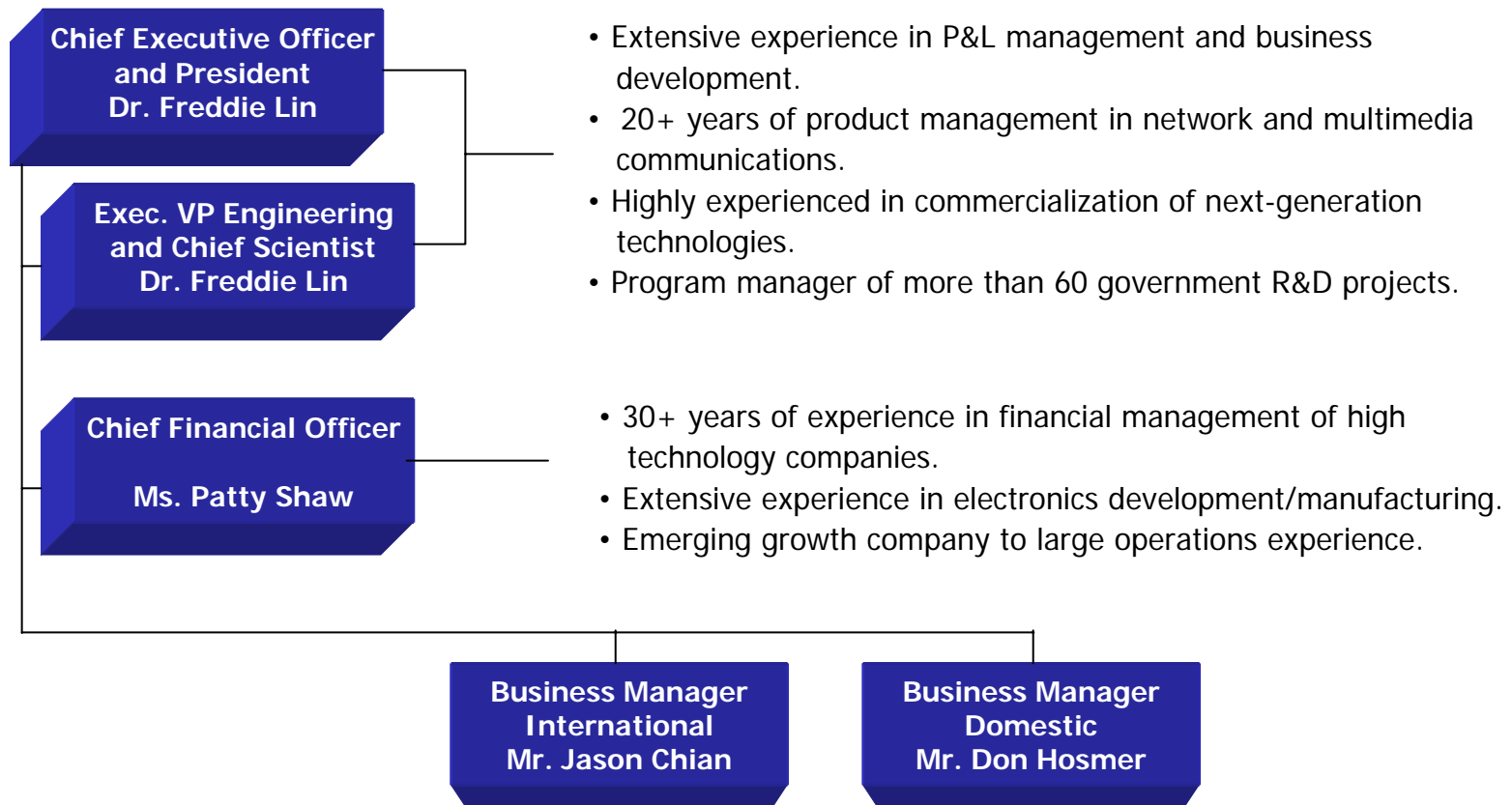
Application Specific Router: routing, switching, and fuse data packets based on contents/applications, on top of source/destination information

StarWeb



The StarWeb™ optical networking architecture provides connectivity for a variety of transmission media and network signal interfaces.

Organization



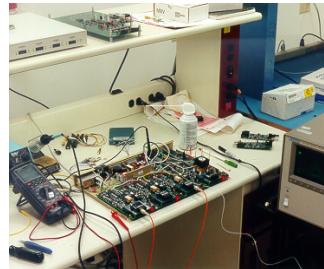
Broaddata Facilities

- Torrance, California
- ISO 9001-2000 Certified
- Sophisticated Testing Lab
- Final Assembly 11,000 sq. ft.
- Quick Prototype to Volume Process

DESIGN



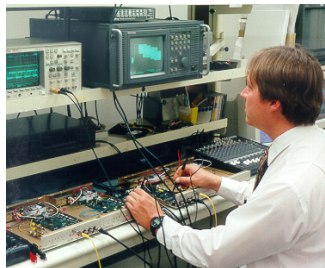
DEVELOPMENT



**PCB CONFIG
& ASSEMBLY**



FUNCTIONAL TEST



ASSEMBLY



**FINAL INSPECTION
& SHIPPING**



Manufacturing Facilities

- West Valley City, Utah, 40,000 sq. ft., high quality SOA manufacturing equipment.
- Strategic Manufacturing Partnership in China, large quantity and low cost.

