MAST Local Area Network

Public Telepresence

Omni

Lab Sweep

Public Lab Sweep Internet Appliance

(x2)

Public Audio Server

Public TPM Server

Video Tele-Conferencing

Polycom VTC Unit

Mobile VTC Unit

1000BaseT Switch

Private Telepresence and Video Data Collection

Private Lab Sweep Video Internet Appliance

Lab Sweep

Omni

(x8)

(x8)

(x8)

Tower Video (x8)

(x8)

Video Internet Appliances (x8)

(x8)

Private Still Camera (x8)

(x8)

Still Image Internet Appliances (x8)

Video Dist. Amps (x19)

Audio Dist. Amps (x10)

(x18)

(x8)

(x8)

(x8)

(x8)

(x8)

(x8)

Knox Switch

(x8)

MPEG-4 TPM Servers (x2)

MPEG-4 Encoding Servers (x8)

Audio Servers (x2)

Frame Grabber Servers (x8)

JPEG Streaming Servers (x2)

DVD Recorder (x8)

Central Configuration and Control Server

Still Image Server

Private TPM Servers (x2)

1000BaseT Switch

1000BaseT Switch

1000BaseT Switch

Control, Data Acquisition, and Assorted Servers

Sensor Data

Data Acquisition Server

Control Server

MTS Controller

Telepresence Camera Towers (x4)

Tower Controllers (x4)

Tape Library

Disk Array

Web Server

Backup Server

NEESPop

Visualization & Archiving Server

Wireless Intercom Base Station

NEESClient

MAST Laboratory Local Area Network

University of Minnesota Campus Network

Wide Area Network

Campus Core Node

GigaPOP

Internet

Public Client

Private Client

Abilene Internet 2

NEES Data Repository

Legend

Broadware Telepresence Server

LTO-2 Dual-Drive Tape Library

Video or Audio Acquisition Server

Servers or NEESPop with Local Cache

Terabyte Disk Array

MTS Controller

Apple Xserve G5

Control or Data Acquisition Server with Local Cache

Polycom Video-Teleconferencing (VTC) Unit

DVD Recorder

Ethernet Switch

Campus Core Node

Client Machine

Telepresence Camera Tower

GigaPOP

Wireless Intercom Base Station Telex BTR-800

Microphone (directional unless otherwise indicated)

Axis 241S Video Server

Knox 16x16 Video Switch

Video Camera w/PTZ

High Res Still Camera w/ PTZ

Kramer 1x5 Video Distribution Amplifier

Kramer 1x5 Audio Distribution Amplifier

Ethernet (10/100/1000)

Composite Video Cable

Audio Cable

Serial Cable

USB Cable

Other