



AV Design Level 3: Applied Design (Online)

Digital Signals

Analog vs. Digital Signals
Digital Signals
Digital Signals Assessment

Digital Video

Video Signal Types
Digital Video Formats
DisplayID/EDID
Designing for EDID
Digital Rights Management
Getting Here to There
Project Work: Video Design
Digital Video Assessment

Audio

Analog vs. Digital Audio
Audio Transport Methods
DSP Architecture Types
Signal Monitoring
Setting Up the System
Introduction to Equalization
Parametric Equalizers: Filters
Graphic Equalizers
Other Filters
Project Work: Audio
Audio Assessment

Control

Designing for the Human
Control Systems Design
Control Assessment



Networking

- Network Device Inventory
- Networking Components
- The OSI Model
- Network Connections
- Ethernet
- Internet Protocol (IP)
- Address Assignment
- Transport Protocol
- AV Data Link Protocols
- Networking Assessment**

Streaming

- Streaming Needs and Tasks
- Streaming and the Network Environment
- Streaming Delivery and Protocols
- Unicast and Multicast
- Streaming Assessment**

Security

- IT Security for AV Applications
- Identify Security Requirements
- Risk Registers
- Mitigation Plans
- Security Assessment**