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Chapter 1: Avenue System Description

Introduction

This chapter provides an overall description of Avenue components available as part of the Avenue Signal Integration System.

The Avenue system includes modules for up/down/cross conversion, audio embedding, synchronization, video conversion, routing, noise reduction, protection switches, test signal generators and more. Avenue signal processing modules are used worldwide in broadcast, mobile, satellite, cable, worship and post production facilities. Avenue is a tray-based signal integration system housed in a 3RU or 1RU frame. Any combination of 1.5 Gb/s HD, 3 Gb/s HD, SD, MPEG, analog video and audio processing modules can be used together in the same frame. All modules are hot swappable. Because of the universal backplane, no special rear connectors are needed.

For facilities using both fiber and coaxial cables, Avenue provides a complete and simple solution. The Avenue Intersection frame is just 1RU and holds 10 optical modules. It can be used independently or tied to an Avenue 3RU frame.

Built-in networking lets you tie your Avenue system together, streamlining control and monitoring. All frames and modules in the system can be accessed from multiple locations in a facility, as well as from remote locations via the Internet. Comprehensive management and control is achieved by using any combination of Avenue Control Panels and/or Avenue PC software. Front edge/local controls are also available for each module.