

# ATSC 3.0 GATEWAY/ SIGNALING SERVER



## Introduction

The new Anywave ATSC 3.0 Gateway / Signaling Server integrates a robust signaling and delivery system with a gateway scheduler in a flexible architecture that encapsulates and sends STLTP output to ATSC 3.0 Exciters. With the addition of Anywave's new ATSC 3.0 Exciter and an ATSC 3.0 Encoder, this flexible platform provides a complete ATSC 3.0 solution to meet all of the Broadcaster's NextgenTV needs. With options for built-in Tuners and MUX add/drop capability, this platform is the perfect solution for lighthouse arrangements with LPTV and Translators.

## Key Features

- ✓ Easily implement and operate new ATSC 3.0 services in a variety of network configurations
- ✓ Flexible architecture allows Broadcasters to implement studio / transmitter integrated or split architectures
- ✓ Route delivery of MPEG DASH Segments
- ✓ MMTP delivery of MPU Segments
- ✓ Route delivery of Electronic Service Guide (ESG)
- ✓ Route delivery of Emergency Alert Information
- ✓ Encapsulates ROUTE and MMTP into STLTP delivery with L1/L2 signals
- ✓ Supports multiple PLPs and sub-frames, TDM/FDM/LDM modes, and SFN/MFN operation
- ✓ Provides Network Synchronization and SFN management
- ✓ Built-in Tuners (ATSC 3.0 and ATSC 1.0) with MUX add/drop capability provides program cherry picking for Translator applications

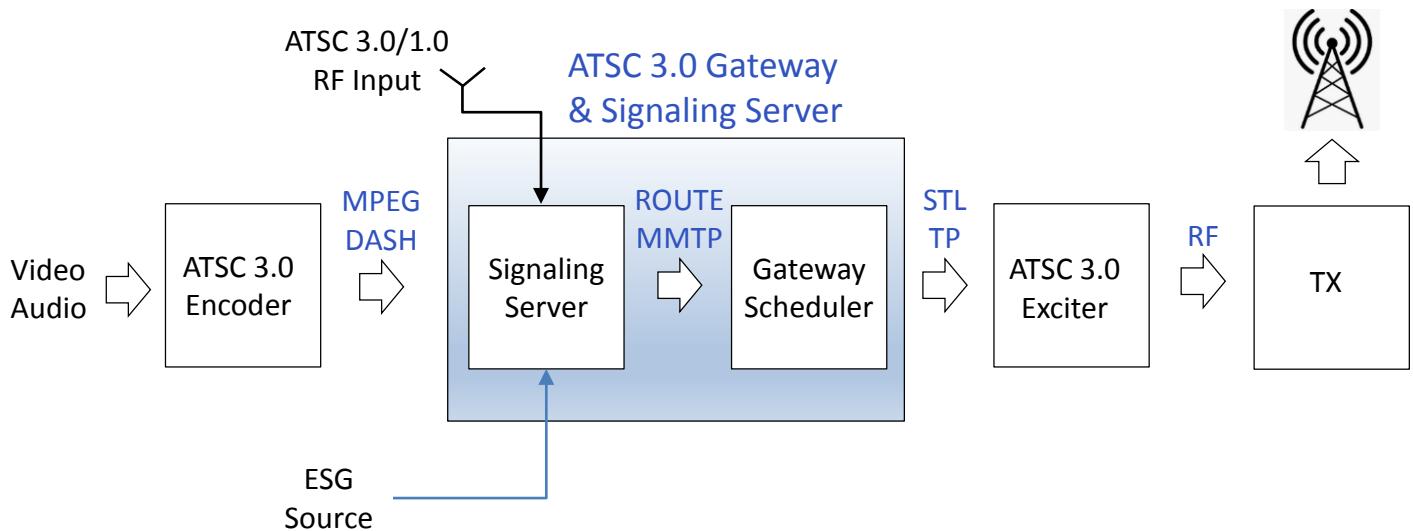
# Specifications

## Gateway Scheduler

- Encapsulates ROUTE and MMTP into STLTP delivery with L1/L2 signals
- Manages and sends auto configuration to ATSC 3.0 Exciters, and manages SFN synchronization
- Supports LDM/TDM/FDM modes
- Manages single and multiple PLPs and sub-frames

## Signaling Server

- Encapsulates DASH and MPU into ROUTE and MMTP delivery
- ESG data processing and management
- NRT management and delivery
- SLT/SLS Signaling Table generation and delivery
- RF input for Translator applications



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