

SMPTE OVERVIEW

Serial Digital Fiber Transmission System and Multi-Link and Multi-Channel SDI Using CWDM — Overview for the 297 Document Suite



Document Overview

The SMPTE 297 suite of documents currently consists of two documents.

Documents in the SMPTE 297 Suite

SMPTE ST 297-1:2015 – Serial Digital Fiber Transmission System for SMPTE ST 259, SMPTE ST 344, SMPTE ST 292-1/2, SMPTEST 424, SMPTE ST 2081-1 and SMPTE ST 2082-1 Signals

This document serves as the base standard document for the 297 suite.

It defines an optical fiber system for transmitting bit-serial digital signals. It is intended for transmitting SMPTE ST 259 signals (143 through 360 Mb/s), SMPTE ST 344 signals (540Mb/s), SMPTE ST 292-1/2 signals (1.485 Gb/s and 1.485/1.001 Gb/s), SMPTE ST 424 signals (2.970 Gb/s and 2.970/1.001 Gb/s), SMPTE ST 2081-1 signals (5.940 Gb/s and 5.940/1.001 Gb/s) and SMPTE ST 2082-1 signals (11.88 Gb/s and 11.88/1.001 Gb/s).

SMPTE ST 297-2:2017 – Multi-Link and Multi-Channel 1.5G, 3G, 6G and 12G-SDI Using CWDM

This standard defines the transport of Multi-Link (ML) or Multi-Channel (MC) SDI data streams over a single fiber using Coarse Wavelength Division Multiplexing (CWDM).