

DTP SYSTEMS

IN1604 DTP

Four Input HDCP-Compliant Scaler with DTP Extension

The Extron IN1604 DTP is an HDCP-compliant scaler with three HDMI inputs, a universal analog video input, and an Extron DTP output, in a compact 1U, half rack enclosure. The IN1604 DTP is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. The IN1604 DTP provides the convenience of fast and reliable switching, along with a high performance scaling engine for HDMI and analog video sources. Also included are a host of audio processing features and many versatile options for control.

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Three HDMI inputs and one universal analog video input
- DTP output supports transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance

- Bidirectional RS-232 and IR pass-through for AV device control
- Remote powering of DTP receiver
- Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
- DTP output is compatible with HDBaseT-enabled devices
- Auto-switching between inputs
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- HDMI audio embedding
- HDMI audio de-embedding
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- RS-232 control port
- Contact closure remote control with tally output
- Front panel USB configuration port
- Compact 1U, half rack width metal enclosure



Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output	60-1457-01

Annotator 300

HDCP-Compliant Annotation Processor with DTP Extension

The Extron Annotator 300 is a high performance, hardware-based annotation processor that allows a presenter to draw, point, or type over live presentations using a touch display, graphics tablet, or a keyboard and mouse. The HDCP-compliant Annotator 300 includes HDMI and DisplayPort inputs, a universal analog video input, and three simultaneous outputs including two HDMI and a DTP twisted pair output. It also features advanced Extron video signal processing with a high performance scaling engine and fast, reliable switching. The DTP twisted pair output extends HDMI and bidirectional control signals to a DTP receiver over a shielded CATx cable up to 330 feet (100 meters). The Annotator 300 offers a wide range of annotation tools and controls, all easily accessible by the presenter using an intuitive on-screen GUI.

FEATURES

- Live annotation capabilities plus high performance scaling and switching
- Integrated three-input switcher with HDMI, DisplayPort, and universal analog video inputs
- Three simultaneous video outputs
- Integrated DTP output supports transmission of HDMI with embedded audio and control up to 330 feet (100 meters) over a shielded CATx cable
- Intuitive graphical annotation interface

- Compatible with popular touch displays and graphics tablets
- Capture and store images to a USB flash drive, internal memory, or a network location, plus the ability to recall annotated images
- Configurable Main and Confidence outputs
- Supports DisplayPort input signals at resolutions up to 2560x1600
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Remote powering of DTP receiver
- Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
- DTP output is compatible with HDBaseT-enabled devices
- Auto-switching between inputs
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Ethernet monitoring and control
- Front panel USB configuration port
- Contact closure ports



Try an interactive demo of the graphical user interface
www.extron.com/annotator300demo

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Model	Version Description	Part Number
Annotator 300	Annotation Processor with DTP Extension	60-1316-01