

SCALERS

IN1604

Four Input HDCP-Compliant Scaler

The Extron IN1604 DTP and IN1604 HD are HDCP-compliant scalers with three HDMI inputs, a universal analog video input, and an Extron DTP or HDMI output, in a compact 1U, half rack enclosure. The IN1604 is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The IN1604 DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. Both IN1604 models provide 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
- Available with DTP or HDMI output
- 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
- Available integrated 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
- 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



IN1604 HD



IN1604 DTP

Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output	60-1457-01
IN1604 HD	Four Input Scaler with HDMI Output	60-1457-02

DSC HD-HD

HDMI to HDMI Scaler

The Extron DSC HD-HD is a compact high performance, HDCP-compliant scaler that converts between HDMI resolutions and frame rates. It accepts video from 480i up to 1920x1200, 1080p, and 2K, and offers high performance upscaling and downscaling with multiple output rates up to 1920x1200, including HDTV 1080p/60 and 2K. The DSC HD-HD features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. It includes many integrator-friendly features such as on-screen display, test patterns, and EDID Minder®. The DSC HD-HD is ideal for applications that require scaling HDMI video to match the different capabilities and requirements of sources, displays, videoconferencing codecs, and other equipment. The compact form factor allows simple integration at a source, destination, or in a distribution system.

FEATURES

- HDMI video cross conversion
- Accepts HDMI video from 480i up to 1920x1200, 1080p/60, and 2K
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- On-screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- Front panel USB configuration port



Model	Version Description	Part Number
DSC HD-HD	HDMI to HDMI Scaler	60-1489-01