

SECURA HTR

EIGHT SELECTABLE SECURITY DOMAIN ASSIGNMENTS

TX Input Formats and Resolutions

Common Input Video Formats:
480i, 480p, 576i, 576p, 720p/50, 720p/60,
1080i/50, 1080i/60, 1080p/50, 1080p/60

Common Input Graphic Formats
640x480/60 800x600/60 1024x768/60
1280x800/60 1280x1024/60 1360x768/60
1440x900/60 1600x900/60 1680x1050/60
1600x1200/60 1920x1200/60

RX Output Formats and Resolutions

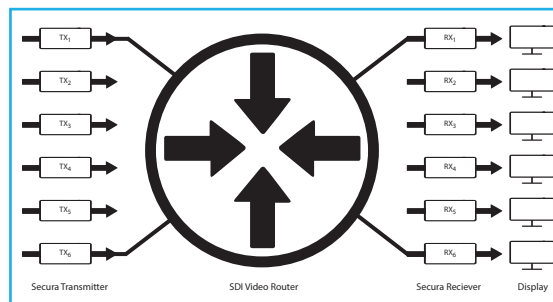
Supported Output Video Formats
480p, 576p, 720p/50, 720p/60, 1080p/24,
1080p/25, 1080p/30, 1080p/50, 1080p/60,

Supported Output Video Formats
640x480/60, 800x600/60, 1024x768/60,
1280x800/60, 1280x1024/60, 1360x768/60,
1440x900/60, 1600x900/60, 1680x1050/60,
1600x1200/60, 1920x1200/60

Secura HTR allows facilities using PESA SDI Video Distribution systems to restrict audio and video media sources by assigning any one of up to eight data transmission security domains (levels) to individual media destinations. Each security domain can transmit data to ensure that these media signals maintain their assigned level of security insuring an end-to-end secure source to destination authorization assignment.

Using PESA's intuitive Cattrax user-interface software, each Secura HTR device can be configured as either a transmitter or receiver for the ultimate in design and installation flexibility. With Secura HTR users can now easily segregate sensitive audio and video content within large SDI matrix engines.

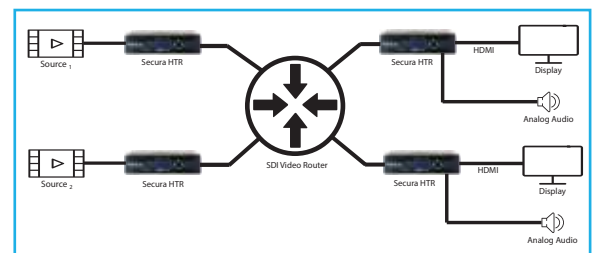
Securely Deliver Content to Specific Users over Eight Security Domains



Built on the Secura foundation, PESA's patent-pending scrambling format ensures only authorized users can receive restricted audio and video signals. Secura HTR is perfect for Military, Government, Corporate or other sensitive environments such as Healthcare organizations and operations where sensitive video is being used.

Secure Video Transport over Existing Infrastructure

Secura HTR transports HDMI media source signals over a secure, encoded, SMPTE compliant HD/3G-SDI transport stream at resolutions up to 1080p/60 using fiber, coax or both for seamless integration into existing PESA SDI routing infrastructures.



Secure Video Encryption

The Secura HTR process starts by scrambling the SDI signal within the TX module using a PESA proprietary, secure encryption algorithm. If the HDMI input source is HDCP encrypted, SDI encryption is always automatically enabled by the Secura TX module and cannot be disabled by the user. This encrypted SDI transport signal is non-viewable and can only be decrypted by a Secura HTR receiver assigned to the security domain that it's authorized for. Once decrypted from the receiver, the HDMI signal will, with full integrity, retain HDCP, if so protected, of the originating signal.

Secura HTR is available with coax-only or both coax and Single Mode or Multi Mode fiber connectivity provided by an optional duplex SFP module. By offering both, the HTR can offer a wide range of capabilities for mission-critical redundancy or system-backup requirements.

Control System

Setup, control and monitoring of Secura HTR modules may be performed using PESA's Secura Control system. Modules communicate with Catrax over an Ethernet network, or a single module may be connected directly to the host PC using a USB connection. Once a module is configured, it is not necessary to maintain connection to the host PC or to the Ethernet network for operation.

Features

- 8 Selectable Security Domain Assignments (Levels)
- Scrambled video for all selected levels.
- Extend HDMI, DVI-D or display port video and stereo audio over fiber up to 10km
- Extend HDMI, DVI-D or display port video and stereo audio over a coax cable up to 80m
- Accepts inputs up to 1920x1200 @ 60 Hz (WUXGA) SMPTE compliant transports
- HDCP encrypted HDMI input securely managed
- Allows up to four 720p/1080i/1080p outputs per module
- LCD front panel display for monitoring and trouble shooting
- EDID emulation mode
- User configurable resolution setup
- 12 internal test patterns for testing and calibration
- Rack mount and under-table mounting brackets available
- 10/100 network interface for control system
- Redundant power in 2RU extender frame

ABOUT PESA

As a leading provider of secure audio/video (A/V) Baseband and IP connectivity products, PESA offers a wide selection of multi-path streaming products, routing switchers, matrix switchers, extenders, converters, media extenders, and signal processing gear to support government, military, industrial, commercial, medical, broadcast, and mobile truck applications. From large to small-scale A/V routing and extender products to multiple IP streaming appliances, PESA offers a diverse suite of AV products, all of which are supported by 24/7 technical support. PESA is located in Huntsville, Ala., with regional sales offices throughout North America and China. Our cost effective solutions are available around the world through our industry leading team of Channel Partners offering local support and installation. All products mentioned herein are trademarked property.

Learn more: www.pesa.com



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