The PESA Secura family of products has one main feature: Military-grade security. PESA’s classic HTR is currently in use through the Department of Defense and a host of other Government agencies. The PESA Secura HTR relies on our legendary Fusion and Cheetah Digital Video Distribution Switches that carry critical media signals in demanding environments. Our next generation HTR features a patent pending method of scrambling the SDI video that protects the content for authorized viewing only. It’s no wonder why more Military, Government and Corporations choose PESA for critical Command and Control environments.

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 Cattrax 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

PESA has been a leading provider of secure professional-grade audio and video products for over 45 years. Video Distribution Systems (VDS), Routers, Signal processing devices, and Control & Management systems have all been a part of the complete PESA system portfolio. PESA continues to lead in developing innovative IP media solutions with the new Secura® brand of Media Management and secure Endpoints. Secura products ensure military-grade protection for mission critical media signals for military, government, corporate and broadcast environments. PESA proudly supports our many customers with a 24/7/365 round the clock technical support team. PESA is located in Huntsville, Alabama with regional sales offices throughout North America, China, Europe and the Middle East.

Learn more about PESA on our website at http://www.pesa.com and follow us on Twitter: @PESA_ONLINE and LinkedIn: PESA.