

MODEL VTV/875

VIDEO-TO-VIDEO SCAN CONVERTER FAMILY

(RUGGED BOX, RACK-MOUNT, HALF-RACK OR CIRCUIT-CARD)



TECHNICAL SPECIFICATIONS

FEATURES

- Provides for conversion between RS-170, PAL, RS-343, and SVGA monochrome video
- Automatic detection of input standard
- Advanced scaling algorithm optimizes video quality
- Flexible packaging
- Internal test signal confirms proper operation or provides fault isolation

BENEFITS

- Versatile; single unit converts between four different video standards
- Conversion to RS-170 or PAL provides for recording using standard TV recorders
- Conversion provides for viewing different videos using a single monitor
- Provides for compression using standard video/TV codecs



DESCRIPTION

The VTV/875 family of scan converters provides for the conversion of monochrome video between four video standards: RS-170/525-lines, PAL/625-lines, RS-343/875-lines and SVGA/800x600. High-resolution sampling, in combination with an advanced scaling algorithm, ensures a near-optimum-quality video output. The scaling is implemented using multi-tap FIR filtering and advanced interpolation, both horizontally and vertically. The VTV/875 auto-detects the video input standard, whereas the output standard is user selectable.

The VTV/875 units are available in the following four configurations: 1) Model VTV/875R is a rugged unit designed for airborne and ground-mobile applications 2) Model VTV/875RM is a rack-mount box 3) Model VTV/875H is a half-rack box and 4) Model VTV/875 is a Compact PCI module.

All units include an internal test signal generator, which can be used to confirm proper operation or to provide for fault isolation.

