

Customized VT Miltope TSC-750M Host Laptop Features:

- ✓ Intel Pentium® M* Processor 1.3 GHz
- ✓ 2 GB RAM
- ✓ ATI Mobility Radeon™ 3-D Graphics - 64 MB Video RAM
- ✓ Removable DB20 form factor 40GB Hard Drive
- ✓ 1.44 Floppy Disk Drive
- ✓ DVD/CD-RW Optical Drive
- ✓ 13.3" Active matrix, Sunlight Readable display, 1024 x 768
- ✓ NVIS Class "B" Compliant display (with optional removable filter)
- ✓ Operating System - Windows® XP Professional*
- ✓ Internal Interfaces: two RS-232/485 serial, two USB 2.0 ports
- ✓ IEEE 1284 parallel printer port
- ✓ 56K modem, 10/100Base T Ethernet
- ✓ Audio with 3.5mm stereo headphone, line-in, and microphone ports
- ✓ MIL-SPEC circular rear panel connectors for audio/video/comms and power
- ✓ 28VDC Aircraft/vehicle power

Environmental Specifications:

- ✓ Operating Temperature: 0° to 52° C
- ✓ Storage Temperature: -32° to 65° C
- ✓ Humidity: MIL-STD-810F Meth 507.3, Proc I, 10-95% non-cond
- ✓ Rain to MIL-STD-810F Method 506.4, Proc I, 20 mph, 1.8"/hr
- ✓ Sand & Dust to MIL-STD-810F Method 510.4, Proc I & II
- ✓ Shock to MIL-STD-810F Method 516.5, Proc I - 30Gs, ½ Sine Drop to Shock to MIL-STD-810F, 36" all sides
- ✓ Vibration to MIL-STD-810F Method 514.5, Cat 4-Proc I (non-op)
- ✓ Salt Fog to MIL-STD-810F Method 509.4
- ✓ EMI/HAEMP to MIL-STD-461E, RS103, RS105, CE102, CS101, CS114, CS115, and CS116; MIL-STD-464E, Paragraph 5.7.3

VPC Card Features:

- ✓ CardBus transfer rates of 30 frames per second
- ✓ Dual video inputs
- ✓ Composite and S-video inputs
- ✓ Audio inputs
- ✓ NTSC and PAL video decoder
- ✓ Windows® Plug-and Play compatible
- ✓ Tactical Radio/Crypto interface
- ✓ Single RS-232 port, Single RS-485 port
- ✓ Synchronous data rates up to 64Kbps
- ✓ Asynchronous data rates up to 115Kbps

PhotoTelesis® FTI-T Fast Tactical Imagery - Terminal



PhotoTelesis®

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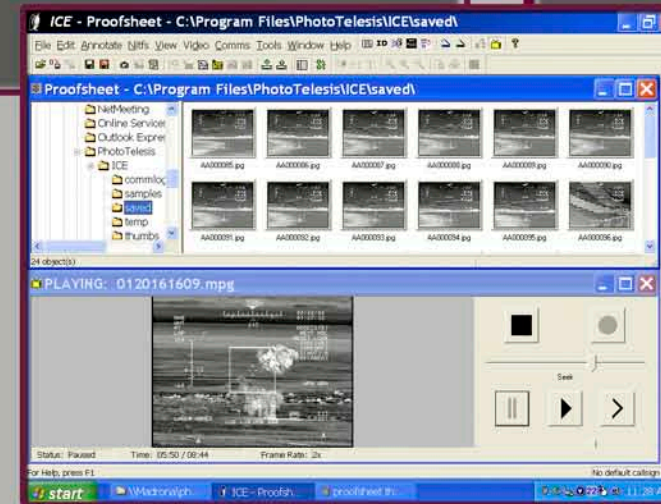
PhotoTelesis®

FTI-T is capable of sensor Video/Image Monitoring,
Recording, Capture, Transmission, and Analysis

PhotoTelesis® Fast Tactical Imagery - Terminal (FTI-T)

PhotoTelesis adds another Digital Video Recorder (DVR) capability to its already extensive suite of imagery management solutions by adding video processing to its market leading Imaging and Communications Environment (ICE™) software. A VideoFTI™-Terminal consists of a PhotoTelesis Video Processor/Communications (VPC) card, and VideoICE™ integrated on VT Miltope's TSC-750M ruggedized laptop. This complete, compact, and NVG compatible imaging and communications solution from PhotoTelesis requires only an analog video feed (any popular international standard*) and connections to the host platform's radios. (see sidebar for a list of the radios supported.)

*RS-170, RS-170A, NTSC monochrome and composite, S-Video, PAL



VideoICE™ running on a VideoFTI™-Terminal enables the user to:

- View, frame grab, burst capture, and analyze live analog video
- Record, play, and playback while continuing to record video
- View, frame grab, and analyze playback video
- Receive offboard imagery over standard tactical radios, secure or non-secure
- Analyze, modify, annotate, and attach text to either onboard or offboard generated imagery
- Transmit imagery and text over standard tactical radios, secure or non-secure

Supported Tactical Communications Interfaces:

- ✓ AN/PRC-117
- ✓ AN/ARC-210
- ✓ AN/PRC-150
- ✓ AN/PRC-138B
- ✓ AN/PSC-5
- ✓ KG-84
- ✓ KIV-7
- ✓ KY-57/58
- ✓ KY-99/99A
- ✓ KY-100
- ✓ LST5D/E
- ✓ MSHR/MBTR (PRC-148)
- ✓ SABER
- ✓ SINCGARS
- ✓ STU-III and STE
- ✓ Others as required



Key Enabling Technology:

The Video Processor/Communications (VPC) Card with VideoICE™ Software

The PhotoTelesis VPC card combines and integrates the functions of three different cards into one. The VPC card in conjunction with VideoICE™ includes a full-resolution, color frame grabber with 30fps burst capture, a full motion MPEG-2 digital video recorder with full DVR functionality*, and a full function* tactical radio interface. All this is combined on a single PCMCIA style cardbus card, a level of integration never before achieved.

*DVR functions include: record, play, pause, play while record, fast and slow forward scan, single frame scan, and freeze frame. Radio functions include full duplex, half duplex, synchronous, asynchronous, PTT, DDMC, crypto, and plain text.

