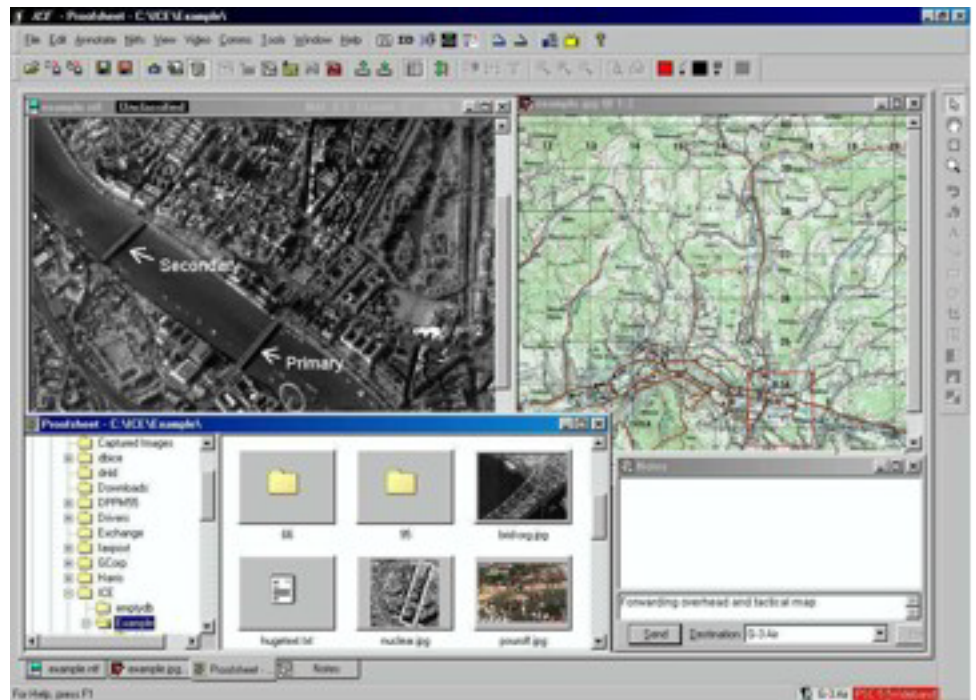


Imaging & Communications Environment (ICE™)

ICE™ 4.4.3

ICE™ 4.4.3 is an integrated application that provides the capability to capture, display, compress, send, and receive digital imagery on Windows® XP computers. Additionally, ICE™ 4.4.3 allows the user to manage (store and recall), manipulate, annotate, and print these images.



ICE™ 4.4.3 is the premier solution for reliably moving your time-critical data files over radio (secure and non-secure), satellite, and telephone links. ICE™ 4.4.3 contains all the functionality of previous ICE™ releases plus the capability to transfer files using the PTAC™ protocol over data capable radio sets in Plain Text (PT) mode, or without using external cryptographic devices. ICE™ 4.4.3 also provides compatibility with the Raytheon TacLink® 3000+ Tactical Modem card, and the Symetrics Industries USB Radio Operations Cable (UROC), in addition to the communications cards (EIS-3, SCC-100/A, CIS-PCI) and ViaSat® PDC/CDC cards supported by previous releases of ICE™. File transfer capability is provided in ICE™ through PTAC™ (Phototelesis Tactical), MIL-STD 188-184, TACO2, and Zmodem protocols. The PTAC™ and 188-184 protocols provide a robust means of transferring files over COMSEC devices like the KY-57, KY-58, KY-99, KY-99A, KG-84, KIV-7, and the STU-III. PTAC™ also interfaces with SINCGARS, PSC-5, PRC-117F, MBITR, SABER and other COMSEC embedded radios. The TACO2 protocol supports full interoperability with the NITF standard. Zmodem allows ICE™ 4.4.3 to use commercial modems via standard phone and cellular services. Online chat is supported in all protocols. MAPI (Messaging Application Programming Interface) is also supported, allowing ICE™ 4.4.3 to send mail attachments from within ICE™ 4.4.3 over any existing mail network – including TCP/IP and Cellular Digital Packet Data (CDPD) connections.

ICE™ 4.4.3 also includes a proof sheet, automatic file conversion, ViaSat® PDC & CDC support, direct image annotation, advanced CRYPTO timing control, Zmodem, customized toolbars, burst capture, and NITFS 2.1 support. In addition, ICE™ 4.4.3 allows simultaneous communications sessions over multiple ports allowing the user to operate in several communication nets from one computer.

ICE™ 4.4.3

Imaging & Communications Environment (ICE™)

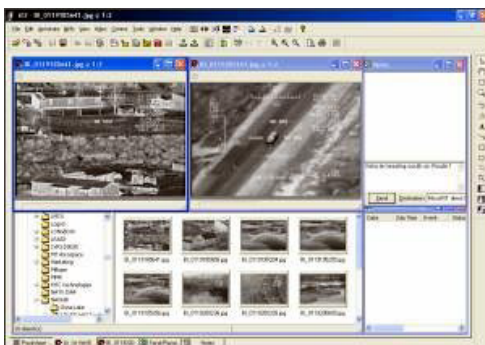
Specifications

National Imagery Transmission Standard (NITFS Utility)	NITFS 2.1 Compliance Level 3 supports: NITF 2.1 - 1.1 Imagery: 2K X 2K Color Images, JPEG, ARIDPCM and Bi-level compression; File Hierarchy Display Tree; CGM Tools; Scrollable Text Pane; Cut/Copy/Paste; Import/Export; Show/Hide components; TACO2
Supports TWAIN Standard	Kodak Digital Cameras: DC-120, DC-210, DC-260, DCS-420, and DCS-620. Flatbed Digital Scanners and Digital Slide Scanners
Frame Grabber Support	Advanced Video Subsystem; Video for Windows or WDM compliant COTS boards and IEEE 1394 Firewire support
Image Processing	Zoom In/Out, Crop, Flip, Rotate, Grayscale convert, Brightness and Contrast adjustments, Negate, Smooth, Direct Image Annotation
Image File Formats	NITF 1.1, NITFS 2.0 Level 3, NITFS 2.1 Level 3, BMP, JPEG, TIFF, PhotoTelesis Wavelet, YUV
Auto Conversion	Automatically converts between file formats upon receipt
Printer Support	Supports all Windows® compatible printers
Communications Interface	Inbox, Outbox, Callsign Directory, Address Book, and Comm Logs
Communications Protocol	PhotoTelesis PTAC synchronous and asynchronous, TACO2, MIL-STD 188-184 (ViaSat®), and Zmodem
Supported Platforms	MIT-410/MIT-305 Mobile ICE Terminal; Handheld Computer Terminal (HCT); IBM or compatible running Windows® XP with 24-bit color SVGA
On-line Help	Context-sensitive Help with search capabilities

System Requirements:

Processor	233MHz processor or faster with at least 64MB RAM 1.2GHz processor or faster with at least 1GB RAM recommended
Video	SVGA (24-bit recommended) color display adapter and compatible monitor; Video for Windows® Capture Card
Hard Disk	15 MB disk space
Operating System	Microsoft® Windows® XP
Comms Hardware	TacLink® 3000+, EIS-3, SCC-100, ViaSat® PDC/CDC, CIS-PCI, UROC, Standard and Cellular modem, or CDPD

ICE™ 4.4.3



PhotoTelesis®

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ISO 9001:2008 and AS9100B Certified

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