

***RF-3700H***  
***HARRIS UNIVERSAL***  
***IMAGE TRANSMISSION***  
***SOFTWARE (HUIITS)***

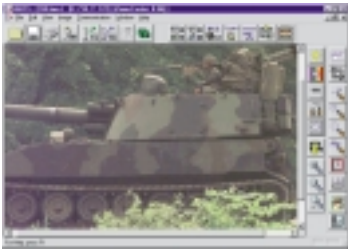
*supports imaging and  
transmission needs in one  
user-friendly application*

HUIITS is Microsoft-Windows 2000/XP® compatible software for fast and reliable transmission of high-resolution digital imagery, motion video clips, text, and other data over difficult tactical radio communications channels. Included with the software is a Type II PC card or PCI card to provide a synchronous digital interface between the computer and the communications equipment.

With HUIITS, you have support for all your imaging and transmission needs in one user-friendly application. The software allows acquisition of imagery from a wide variety of digital cameras, scanners, and analog video sources. Once acquired, images can be transmitted with a single button click, using standard communications and encryption equipment. Images may also be stored, processed, annotated, and printed.

HUIITS is used for reconnaissance, surveillance, intelligence gathering, and other applications that require near real-time transmission of imagery and data. If desired, Harris provides fully integrated systems that may include computers, camera systems, printers, and communications equipment.





Harris Universal Imaging  
Transmission Software – Main Window

### Features

- Easy to use interface with single key operation for critical functions
- “Universal” compatibility with most:
  - Windows-based computer platforms (desktops, laptops, tactical PCs, etc.)
  - Cameras, scanners, and printers
  - Military / Law Enforcement communications and encryption equipment
- Patented SARQ™ data protocol which provides efficient and error free delivery of data over HF, VHF, UHF TACSAT, INMARSAT, and landline media at data rates up to 64 kbps
- Automatic display and storage of received imagery
- Progressive display allows image to be viewed as it is being received over the communications channel (with as little as 20% of the data received)
- Advanced Wavelet image compression algorithm to minimize transfer times
- Patented Prioritized Image Transmission (PIT™) feature allows faster transfers while maintaining high quality in the most important regions of the image
- File mode operation with automatic compression to allow transmission of any type of data file, not just image files
- Translation between standard image file formats (JPG, BMP, GIF, TIF, CGM, TGA, WVL)
- Image Archiver and Thumbnailer
- Sample Chat mode for sending and receiving short text messages
- “Networking” capability allowing multiple users to share the same communications channel
- “Burst Mode” selection to limit on-air time
- Image processing functionality (zoom, crop, rotate, color/brightness adjust, histogram equalization, etc.)
- Support for adding image annotations, symbol overlays, and text file attachments
- ActiveX compliance allowing seamless interoperability with other ActiveX applications such as MS-Word
- Built-in support for standard landline modems (e.g. 56K modems) and STU-III devices

- NITFS compliance (NITF file format and TACO2 protocol) available with the RF-3711 option

### Ordering Information

- RF-3700H-02EN – includes PC Card communications interface card for configurations
- RF-3700H-04EN – includes PCI communications interface card for desktop configurations

### Options

- RF-3711 National Imagery Transmission Format Standard (NITFS) option that provides compliance with NITFS standard image format and transmission protocol (TACO2)

### Imaging Accessories

- RF-3771-17 High end digital camera body provides high-definition color imagery. Lenses are not included
- RF-3771-050 General purpose fixed lens for RF-3771-17
- RF-6720-01 Low cost digital camera provides megapixel color imagery with built-in zoom lens and flash

Contact Harris for other imaging accessories

### Interface Cables

10535-0780	AN/PRC-117F, RF-5800M, RF-5800V, AN/PRC-150(C), RF-5800H
10367-1806-01	AN/PRC-117B/C/D/E, AN/PRC-119 (SINCGARS), KY-57, KY-99, LST-5B with Sunburst Processor.
10372-9867-010	AN/PRC-138
10181-9867	RF-5022
10281-0630	INMARSAT
10281-0116	STU-III, 25 pin
10562-0122	AN/PSC-5

Contact Harris for other interface cable part numbers.

Specifications are subject to change without notice.

