



INTEROPERABILITY SYSTEMS INTERNATIONAL



Portable Reconnaissance Image Screening System PRISS

PRISS provides the facilities to quickly connect, extract and view imagery from a reconnaissance pod via post-sortie download of the Removable Memory Module (RMM) and allowing the front line user to validate the reconnaissance sortie.

In the event further exploitation is required, **PRISS** provides the ability to export imagery to the exploitation station via a Wide Area Network (WAN) connection in a bandwidth efficient way.

PRISS has been used to operate with the UTAS DB-110 Pod in remote airports by allowing an initial screening and validation of the imagery obtained from the DB-110 Pod's RMM, immediately following an aircraft's landing.

PRISS is designed as a two-man transportable system, autonomously powered, so as to make it easy to reach the landed aircraft on site.



Portable & Ruggedized

Two-man transportable unit for quick and easy access to the a/c's maintenance site

Power Autonomy

Provide power connection to the NADS storage media without relying on the aircraft's power

STANAG-4575

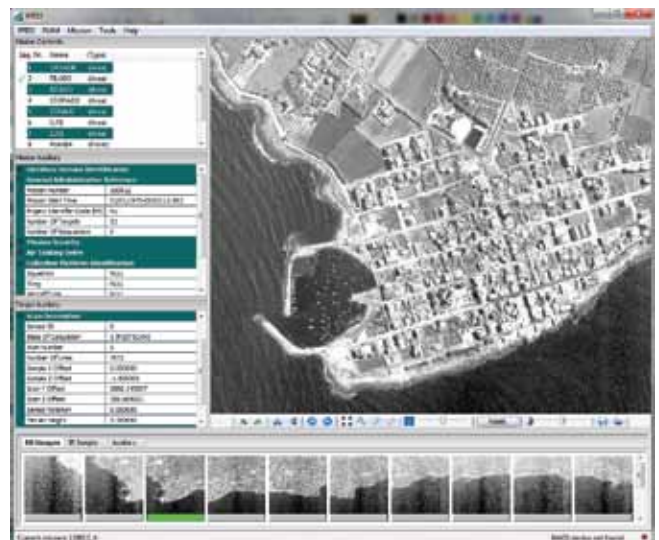
Compliant with STANAG-4575, NATO Advanced Data Storage (NADS)

STANAG-7023

Compliant with STANAG-7023, Air Reconnaissance Imagery Data Architecture

STANAG-4559

Compliant with STANAG-4559 for interfacing to imagery database



PRISS Features

- Provide power and data connections to a storage media
- Fast transfer of mission data from storage media to the PRISS Workstation
- Parse STANAG-7023 data files and extract EO/IR imagery and data related to the sortie
- View EO/IR images along with associated metadata in manreadable format
- Manipulate images (zoom, pan, rotate, mirror, adjust brightness/contrast, and print)
- Store parsed STANAG-7023 data files in standard format (imagery in JPEG format, metadata in ASCII format)
- Disseminate selected imagery data and their metadata in a STANAG-7023 compliant data file to a higher echelon for further exploitation
- Prepare storage media for the next mission
- Assist manufacturers of reconnaissance sensors to debug their applications
- Support user multitasking operations
- Lightweight, robust and ruggedized
- Two-man transportable for quick and easy access
- Available in Windows and Linux x64 or x32 platforms

Technical Specifications

Physical

- Server Rack Case 8U
- Power Rack Case 3U

Electrical

- Input Voltage 220 VAC+/-10%
- Frequency 45-65 Hz
- Power 1500W

Interfaces

- STANAG-4575 Power output via MIL-STD 38999 circular connector
- STANAG-4575 Data transfer via fiber channel interface cable for data transfer
- NFS, SMB/CIFS
- STANAG-4559 compliant interface to imagery database

Simplicity & Speed

Simple user interface for easy and fast data download from the storage media, and quick image screening

Imagery Storage

Store parsed STANAG-7023 data files in standard format (imagery in JPEG format and metadata in ASCII format)

Platform Independent

Available in Windows and Linux x64 and x32 platforms



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