

RFID INVENTORY SOLUTIONS



Be Ready!



THE CHALLENGE



OUTDATED METHODS

Traditional inventory is manual, slow, and incomplete.

- Processes are labor-intensive and time-consuming
- Human error is common
- Government ERP Systems depend on accurate inventory data



INACCURATE COUNTING

Desire for 100% inventory accuracy w/out shutting down operations

- 25% quarterly counts = 75% guesswork
- Current methods lack frequency, consistency, and accuracy
- Inventory visibility is often outdated or incomplete



WHAT'S AT STAKE

Without accurate inventory data, operations suffer:

- Manpower shortfalls persist
- Delays in receipt & issuing of assets
- Backlogs during peak periods
- Supply Chain resilience ultimately supports the Warfighter
- Limited asset tracking throughout the supply chain

WHAT CAN RAPTOR DO FOR YOU?

PERFORM
100%
ACCURATE
INVENTORY
IN A
FRACTION
OF THE TIME



ELIMINATE
ERRORS
DURING
RECEIVING
PROCESS



ELIMINATE
INVENTORY
INDUCED
ERRORS



PERFORM
SHIPMENT
VALIDATION
ON ALL
OUTGOING
ASSETS



NOW YOU
CAN
CONDUCT
FREQUENT
INVENTORY
CYCLES



CALL 888.988.7343

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THE SOLUTION



MOBILE RFID HARDWARE, SOFTWARE, CONSULTING + TRAINING

- ELEGANT AND SIMPLE DESIGN
- FRICTIONLESS ONBOARDING
- BUILT TO SCALE WITH YOU
- ENHANCED AUDIT READINESS
- IMPROVED FORCE READINESS

Open Architecture
One Code Base
Uses XML file exchange

No Lidar or 3D Mapping
No Wiring or equipment to mount
Works with all Supply Chain software packages

Enterprise Support for both Warehouse and Forward Deployments

Chain of Custody Records
Digital Accountability

Forward Deployable
Powered and Mobile

RaptorRFID's solution lowers acquisition and implementation cost over traditional RTLS. It accelerates onboarding, provides 100% inventory accuracy and enhances forward operations.

RaptorRFID developed 2 solutions. The RaptorArray is for use with pallet rack systems and the RaptorHandheld for ALL other bulk environments.

Simply export an inventory file as a .CSV file and import it into our software. Run inventory in the warehouse and then fully reconcile the results. Access to detailed analytics and audit trails for each asset to ensure digital accountability.

Supports for enterprise scalability using cloud based storage and batch processing.

ADVANTAGES OVER OTHER TECH



OPERATIONAL EFFICIENCY

- Lowest cost of ownership
- Improved labor productivity
- Automated receipt & shipment validation



UNMATCHED ACCURACY

- 100% accurate inventory
- 700-1000 assets per second read rate
- More accurate than RTLS at a fraction of the cost



FAST RECONCILIATION

- Reconciles Gains, Losses, Misplaced Items
- Patent Pending telemetry + analytics engine
- Finder Mode with Geiger Counter



MISSION READINESS

- Improved audit readiness & compliance
- Mobile and Portable to support battlefield logistics and forward-deployed visibility

HOW DOES RAPTOR RFID WORK?

Works in Both
Warehouse
Environments
and Bulk
Environments

*RaptorArray Cart with
Handheld and printer for
Warehouses*

*Handheld and Printers
for Bulk Environments
(non-palletized)*

STEP 1



**USE OUR "PURPOSE
BUILT" HARDWARE
AND SOFTWARE**

Conduct a 100% RFID
inventory (*RaptorScan*
w/*Telemetry*)

Analysis/Reporting of
Inventory Discrepancies
(*RaptorVision*)

STEP 2



**LOAD DISCREPANCIES
INTO HANDHELD FOR
RECONCILIATION!**

This can be distributed
across functional
groups, then
aggregated back via
Raptor RFID Enterprise
Support

STEP 3



**RECONCILE
INVENTORY
DISCREPANCIES**

Potential Gains and
Misplaced Items: Use
Finder on Handheld

Potential Losses: Use
Scan on Handheld



RaptorScan is the
primary inventory control
Scan application used by
the RaptorArray Cart and
the handheld device

- *Runs Inventory with Telemetry*
- *Reconciliation of Gains, Losses
& Misplaced Items*
- *Finder Mode - with Geiger
Counter*



RaptorVision is the
Reporting and Analytics
application

- *Analyzes Inventory
Discrepancies*
- *Generates Reports and
Heatmaps for Gains, Losses
and Misplaced items*

ONE CODE BASE,
ONE INSTALLER,
ONE APPLICATION,
ONE LOOK AND
FEEL FOR ALL
EQUIPMENT AND
OPERATING
SYSTEMS!

NETWORK AWARE:

*Supports WAN
Distribution of
work and Batch
Processing back*



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RAPTOR
RFID

HARDWARE

RAPTORARRAY CART

Purpose-Built

RaptorArray Cart with
Motorized Casters

Recommended for
Warehouse Inventory



HANDHELD DEVICES

Cipherlab Readers

Android OS

Recommended for Bulk
Inventory and
Reconciliation



RFID PRINTERS

TSC / Printronics Printers

RFID Tags and Supplies



MILITARY GRADE RAPTOR RFID HARDWARE

Secure and Encrypted

Built with military-grade security protocols, these devices protect sensitive data, ensuring compliance with classified and unclassified communication needs.

Tactical Durability

DT Research rugged tablets and handhelds are MIL-STD-810G and IP-rated, ensuring they withstand extreme temperatures, vibration, shock, and environmental challenges such as sand, rain, and snow, providing reliability in combat zones or remote locations.



Mission-Critical Functionality

Integrated features like GPS, RFID, barcode scanning, and sunlight-readable displays support navigation, asset tracking, field data collection, and communication in real time.

Advanced Data Security:
(5220.22-M, USA-AF AFSSI 5020, USA Navy NAVSO P-5239-26, NSA Manual 130-2, USA-Army 380-19, NISPOMSUP Chap 8, Sect. 8-501 and NSA Manual 9-12 Standards)

TAA Compliant:
Built-in CAC (Common Access Card);
HERO Certified
Hazard of Electromagnetic Radiation to Ordinance

MIL-STD-810G Certified:
Vibration and Shock Resistant;
IP65 Rated
Water & Dust Resistant

C1D2 Certification:
Certified to operate safely in hazardous areas;
NIST (National Institute of Standards & Technology) Compliant

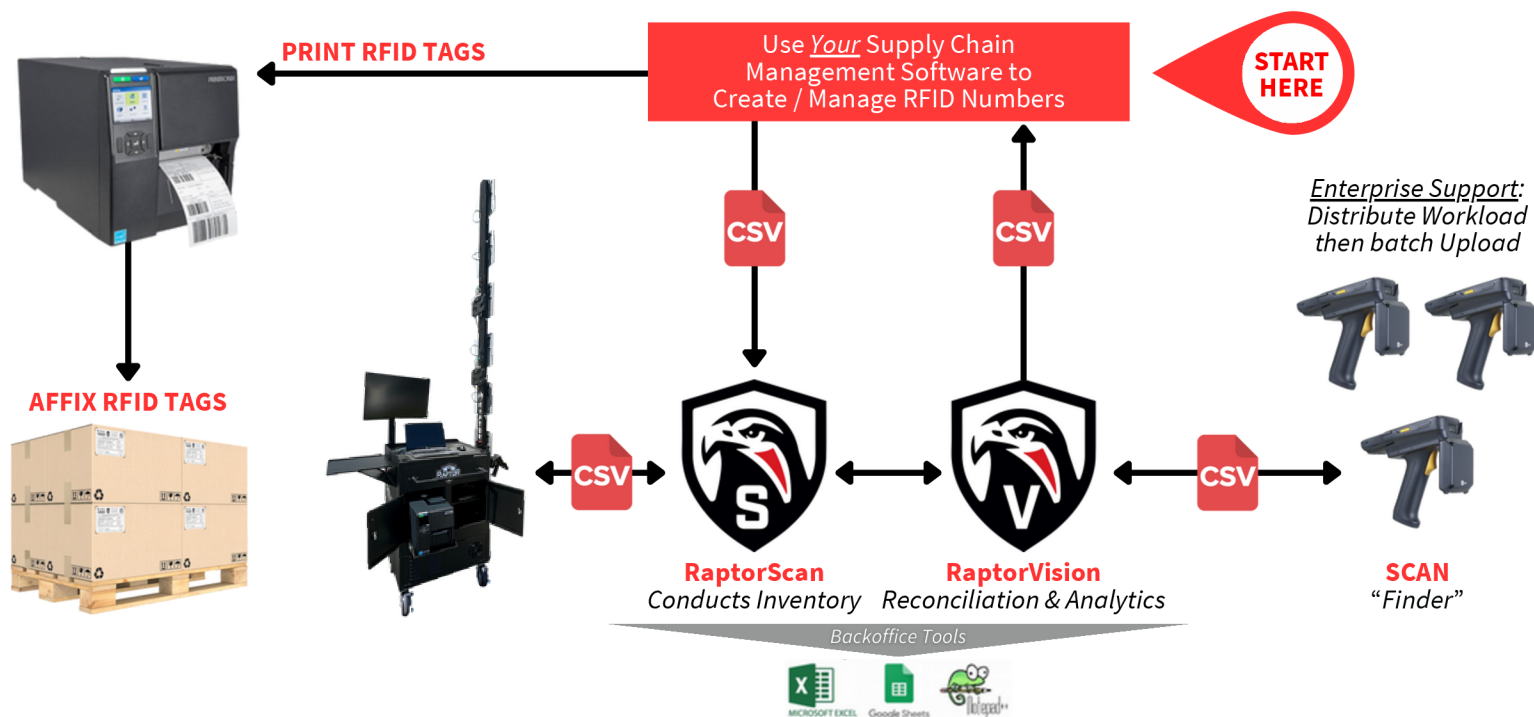


DT362DN



RAPTOR
RFID

WORKFLOW



SUGGESTED HARDWARE KITS

WAREHOUSE INVENTORY SOLUTION

SSA's / Depots

- "Touch and Go" RaptorArray Cart
- Laptop and 27" Monitor
- 12' - 18' Mast with Antenna and Readers
- (4) RFID Handheld Readers
- (2) TSC RFID Printers
- (1) in Receiving / (1) on Cart
- RFID Labels (Qty TBD)
- Raptor Software, Support & Training

BULK INVENTORY SOLUTION

(Motor Pools, Aviation, Munitions Etc.)

- Standard RaptorCart w/Laptop
- (2) RFID Handheld Readers
- (1) TSC RFID Printer
- RFID Labels (QTY TBD)
- Raptor Software Support and Training



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ENTERPRISE WIDE BENEFITS

The full suite of Raptor Products supports enterprise functionality. Upload to cloud storage site, a network addressable storage device (NAS), OneDrive and DropBox.

We support the processing of inventories from multiple locations thus providing WAN or Enterprise visibility of inventory assets.

*RFID is more than a barcode replacement. It's a **force multiplier for your logistics chain**, enabling visibility across the enterprise:*

WAREHOUSES,
ARMORIES
DEPOTS



MOTOR POOLS
AND FLEET
MAINTENANCE



FORWARD-
DEPLOYED
OPERATIONS



TOOLS CRIBS
AND PARTS
STORAGE



RETURN AND
REVERSE
LOGISTICS



THE PATH FORWARD →

INITIAL ROLLOUT *Once Approved*

THE KEY INGREDIENTS NECESSARY FOR SUCCESS INCLUDE

- Site Assessment: Understanding RFID Interface and Warehouse Workflow
- Technology Alignment, Training and Documentation
- Tag Facilities (with SME and Project Manager)
- Run Initial Inventories with Reconciliation
 - *Identify Inventory Induced errors*
 - *Recommend Process corrective action*
 - *Validation then repeat (Scientific Method)*





3 STEP IMPLEMENTATION PLAN

1

Setup and Config all RFID equipment. Create and document Requirements of Rollout

2

Implementation of Requirements and Tagging of all items

3

Perform Inventory Cycles / Document Results / Offer Post Support and Sustainment

GET A QUOTE

Visit www.raptorrfid.com to schedule a demo!

Requirements to Quote these RFID Projects

- Identify Warehouse Locations
- Select Raptor Hardware Package
- **IMPORTANT:** Quantify Number of Assets to be tagged
- Select Tags by asset type
- Determine if you need assistance with the Tagging effort

Raptor RFID will Provide Pricing (~ 5 business days)

Be Ready!



CALL 888.988.7343 | VISIT WWW.RAPTORRFID.COM

