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WG IS X-Ray Scanner Management System (AMS)



The WG IS X-Ray Scanner Management System (AMS) functions as a central hub for configuring and updating any connected WG systems on a local area network. It allows users to make changes to an entire network of units and workstations from a central location instead of needing to visit and update each machine individually.

Upon starting up a WG IS X-Ray scanner or workstation, signals are immediately sent from those machines to the AMS requesting and retrieving recent system changes or data updates. This data can include added or deleted users, altered administrator settings, and software updates such as Threat Image Protection (TIP) library additions and TIP settings. The AMS sends data back to the machines or workstations and automatically updates their systems as necessary. The AMS can globally configure all connected WG systems on a network at once or configurations can be programmed on a machine-specific basis.

The AMS uses a rack-based system complete with a see-through server shield for simple status checks while maintaining proper and efficient security. The AMS comes standard with a redundant array of independent disks (RAID) system server, a built in keyboard and monitor, and a rack mounted uninterruptible power supply (UPS). If memory becomes an issue, the AMS server is completely expandable and additional servers can be added as needed.

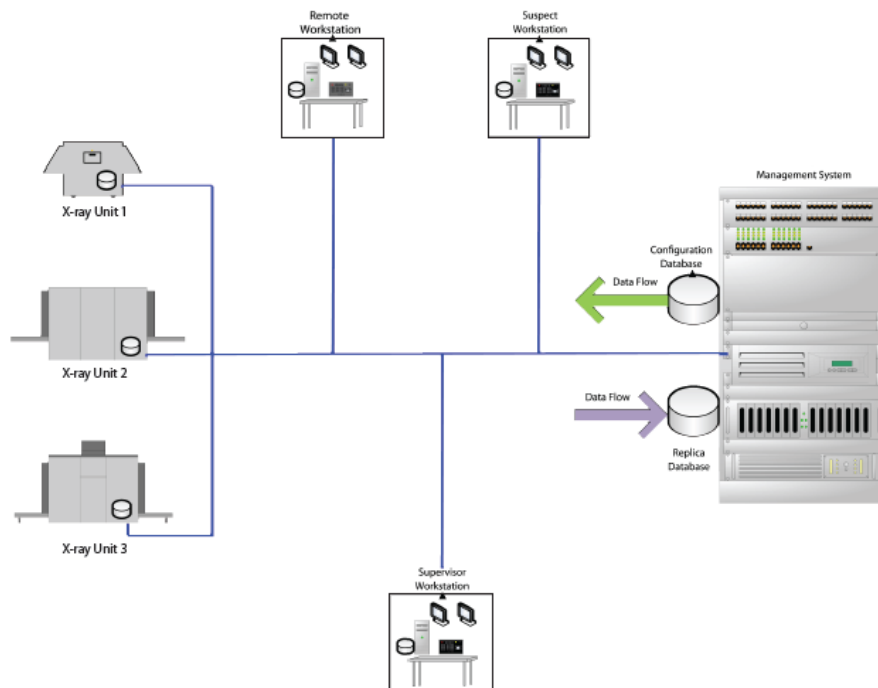


FIGURE 1: SAMPLE NETWORK

In the sample network shown above, three X-ray Inspection Systems (WG IS) and three independent workstations link to a single AMS. The WGIS scanners pictured above vary in size and capability: the top unit is the smallest and designed for checkpoint and small baggage scanning; the middle larger unit is a heavy duty high performance system for pallet and cargo inspection; and the third unit is a down shooter, equipped with dual-view technology for pallet and cargo inspection. All three units are connected to and download updates from a single AMS.

In addition, three completely separate and independent workstations (a remote work station, a suspect work station and a supervisor workstation) connect to the same AMS to retrieve and automatically update system configurations as needed. All six units can download the same updates. However, for configurations pertaining to only one specific unit, the AMS can be programmed to update that specific unit on an individual basis. For instance, the AMS can be programmed to update all units with new software and also update the Supervisor Workstation with a new supervisor user account.

SOFTWARE

- Automatic TIP library updates
- TIP settings configurations across network
- Records TIP activity
- Configures Administrator settings across network
- Monitors network activity in real time

SPECIFICATIONS

- Dimensions: 109.2 x 60.0 x 199.4 cm, (L x W x H)
43.0" x 23.6" x 78.5"
- Weight: 130 kg (286 lb)

HARDWARE

- Secured tower case & rack with lockable door & server shield
- Server with RAID system (multiple hard drives), Xenon processor, 8GB RAM, Windows server OS, 1 TB HDD
- Expandable storage
- Built-in video, mouse and sliding keyboard assembly
- 1 Gbps network switch
- Rack-mounted UPS
- Built-in cooling ventilation