

CHURCH HILL

NAVIGATION

Stores Management with Augmented Reality Mapping



Know your target with
**ABSOLUTE
CERTAINTY**

Real-time Augmented Reality Mapping, Integrated Stores Management,
& Much More

INFORMATION IS POWER

Churchill Navigation's ARS-SMS combines the unsurpassed situational awareness of augmented reality mapping with the convenience of an integrated, single-screen stores management system. ARS-SMS features a flexible and scalable architecture supporting popular third-party SMS systems and allows rapid integration for custom solutions. ARS-SMS augmented reality composites streets and addresses, parcel data, and any other custom information directly on top of the live sensor video.



AUGMENTED CAPABILITIES

Live sensor video overlays provide intuitive selection and display of the various augmented reality information with digital map content, flight guidance, acceptable launch regions, release points and safe ranges. Stores management features are extensive and include selectable graphics depicting various installed payloads such as gun and rocket pods, bombs, etc, helping the crew quickly identify weapon type, station, number remaining, and status of weapons.



ARS-SMS is ideally suited for all tactical fixed wing and rotary aircraft applications including attack, forward air control, armed reconnaissance, counterinsurgency, and observation.

- ### FEATURES
- Display Streets, Addresses, Regions and Custom Tags Over Live Video
 - Fast Location Search for Coordinates, POIs, Airports and more
 - Immediate Display of Nearest Airport or Locations
 - SMS Stores Selection of Gun Pods, Rocket Pods, etc.
 - Color-Coded Launch Regions, Release Points and Safe Ranges
 - Pilot Guidance Cues and Messages
 - Track Speed of Vehicles on Land or Water
 - Import & Export Predefined Mission Targets
 - Proven Gimbal Interfaces Include: L-3 WESCAM, FLIR Systems, and many more
 - Interface with Helmet Mounted Cueing and Display devices

DETAILED MAPPING DATA

- High Resolution Aerial Imagery
- Enhanced Topographic Charts
- Digital Terrain Elevation Models
- Ability to Easily Update and Import Custom Data

INTEGRATED DUAL CHANNEL HD DIGITAL VIDEO RECORDER

- High Definition (720p, 1080i, 1080p) Recording to USB Media
- Metadata and Audio Recording
- Simultaneous Playback While Recording

TECHNICAL SPECIFICATIONS:

Size: 7.25" L x 5.00" W x 1.875" H
(184.15 mm x 127 mm x 47.6 mm)

Weight: 2.875 lbs.,
(1.3 kg)

