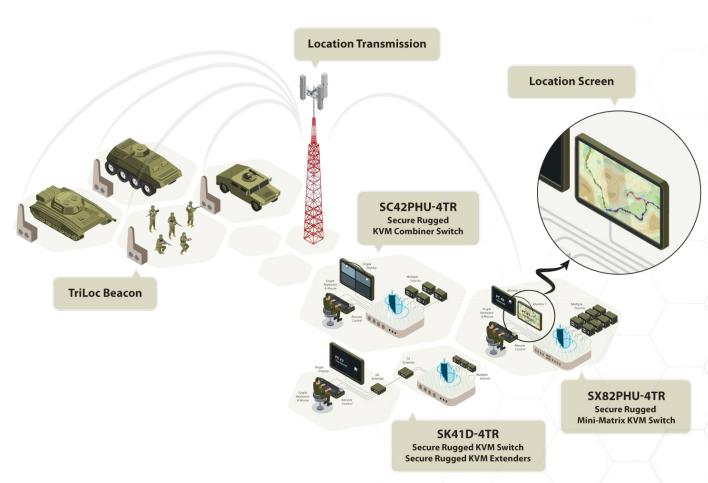


a multi-classification domain network environment



RUGGED CROSS-DOMAIN PRODUCT SUITE

- Brings HSL's leadership in network isolation to the battlefield.
- Interact with multiple computers of different classification levels easily and securely.
- Improve situational awareness, workflow, access to information, communications and asset-monitoring
- NIAP/Common Criteria PP4.0, TEMPEST Level A, MIL-STD: 461, 1275, 810 compliant
- The suite includes products for:
 - KVM switching and multi-view video combining and scaling & extenders
 - Locating and monitoring the position of assets (vehicles, equipment, soldiers)





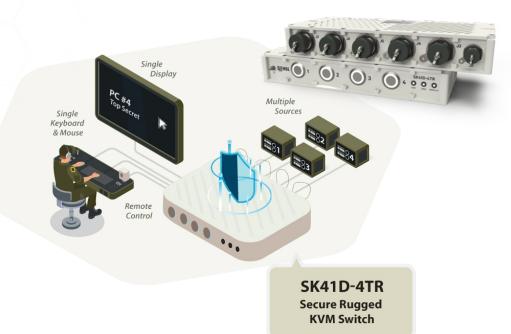




RUGGED & SECURE KVM FAMILY

KVM Switches

- Share a single set of peripherals (mouse, keyboard, display) across multiple computers.
- Switch the entire set of peripherals as a group between sources by pushing the KVM buttons or remote control.



Matrix Switch

- Any combination of host video sources can be routed to the two console displays (one source per console display)
- Dragging the mouse to a console display associates the mouse and keyboard with the displayed source computer (automatic switching with no need to press a button).



RUGGED & SECURE KVM FAMILY

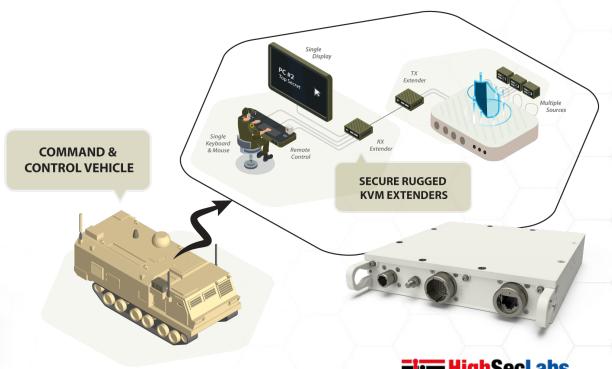
Combiner

- Video sources can be combined and scaled to display up to 8 sources on the 2 console screens.
- Drag the mouse to a video window to give the keyboard & mouse control over that source.
- Video sources can be scaled and dragged between the 2 console screens using the mouse.



Extenders

- Extend the host or console video. USB and remote control signals across fiber or copper cable
- Simplifies installation & workflow





RUGGED KVM SUITE - COMPLIANCE

- Fully rugged and designed for use in deployed military vehicles and C2 centers.
 Compliant to:
 - MIL-HDBK-216
 - MIL-STD-810
 - MIL-STD-1275
 - MIL-STD-461
- 65,000 hours MTBF
- Fully secure No data leaks between channel-isolated sources
 - Compliant with NIAP/Common Criteria PP4.0 for PSD (Peripheral Sharing Device)
 - TEMPEST Level A compliant
- IP67 compliant illuminated buttons.
 NVG option available



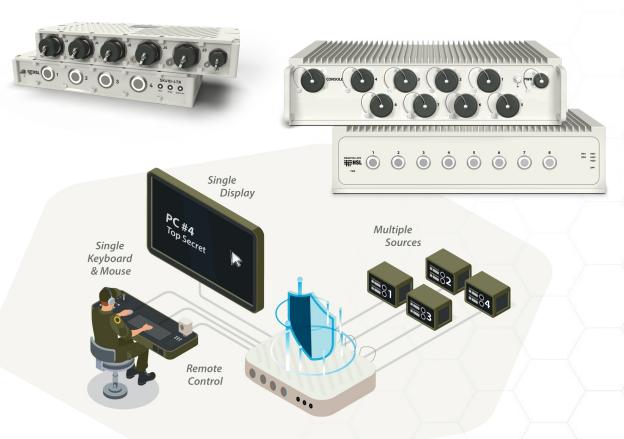






RUGGED KVM SUITE - KVM

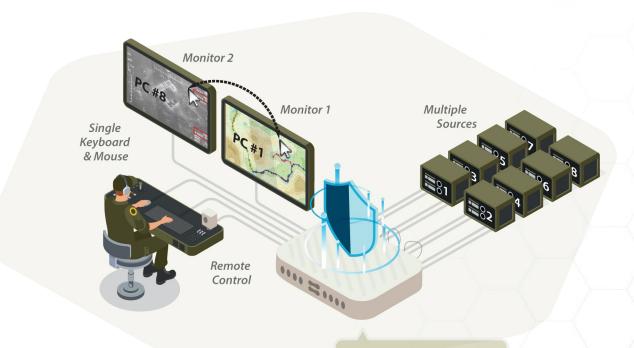
- 4-port SH and 8-port DH versions
- Video resolutions up to 4K@30Hz or 3440x1440@60Hz
 - DisplayPort, DVI-D (1920x1200@60Hz),
 HDMI supported
- Mouse, KB, CAC and optional RC via single connector.
- Select sources using RC or buttons





RUGGED KVM SUITE - MATRIX

- 8 / 4 source inputs, 2 console displays
 - Display any source on either of the console displays.
- DP/HDMI supported
- Video resolutions up to 4K@30Hz or 3440x1440@60Hz
- Switch smoothly between displayed hosts via mouse/trackball movements
 - Keyboard, CAC become associated with the host computer selected by mouse.
- Remote control for source selection
- Mouse, KB, CAC reader & remote control via single connector.
- Configurable as a single-head or dual-head KVM.



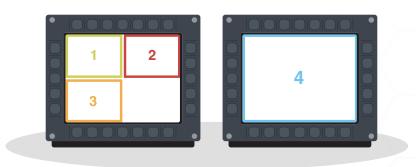
SX82PHU-4TR

Secure Ruggedized
Mini-Matrix KVM Switch



RUGGED KVM SUITE - COMBINER

- Configurations designed for vehicle deployment:
 - 4/8/16 host, 2 display screens
 - Display any combination of 4/8/16 video sources across 2 display screens
- Option: H.264 encoded video stream
 - Ethernet encrypted H.264 streaming link
 - H.264 stream comes instead of 2nd console display
- Video supported up to 4K@30Hz or 3440x1440@60Hz
 - Both DisplayPort and HDMI supported

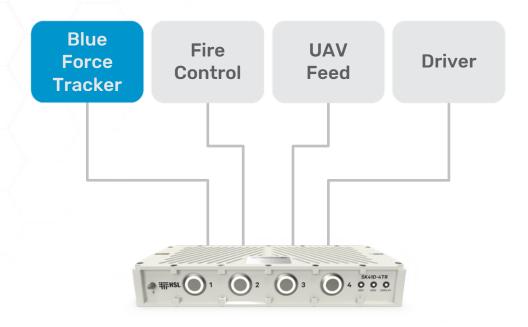










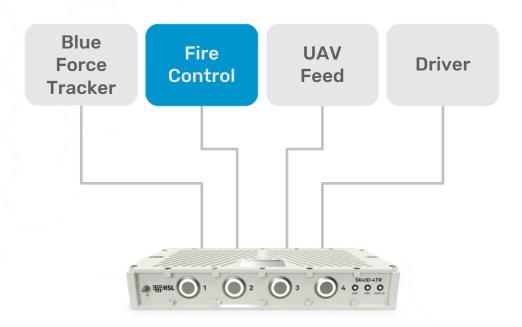


KVM Switch Front Panel



1. Blue Force Tracker



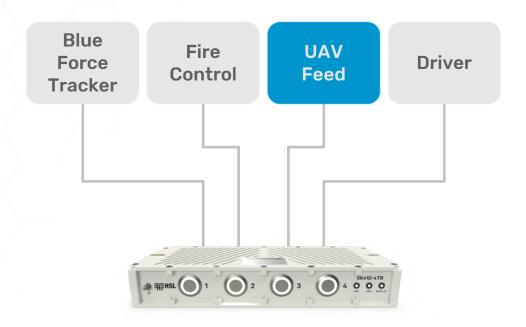


KVM Switch Front Panel



2. Fire Control



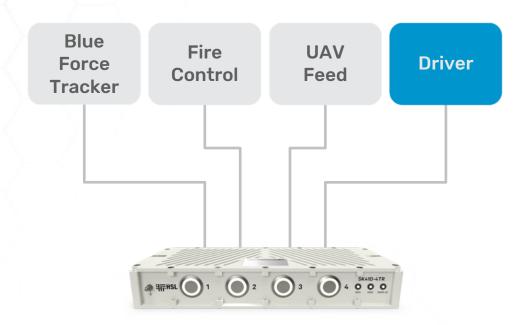


KVM Switch Front Panel



3. UAV Feed





KVM Switch Front Panel

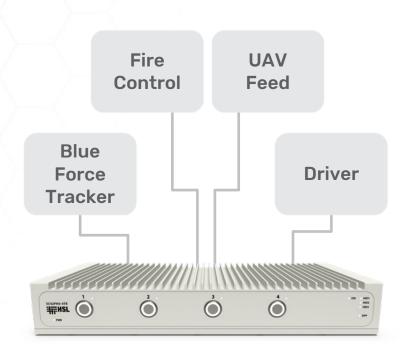


4. Driver's Camera



USAGE SCENARIO - COMBINER

• A **single** crew position can Monitor, Control and Display **four** onboard systems. The configurable display can show one, or all systems simultaneously.



Combiner KVM Switch



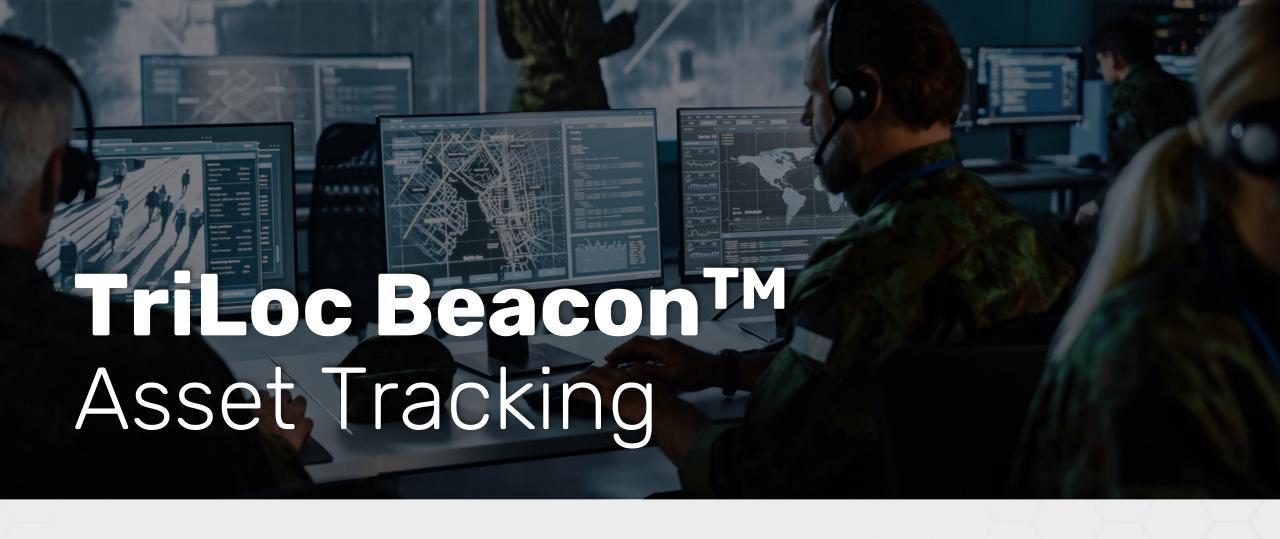


Possible View 1



Possible View 2



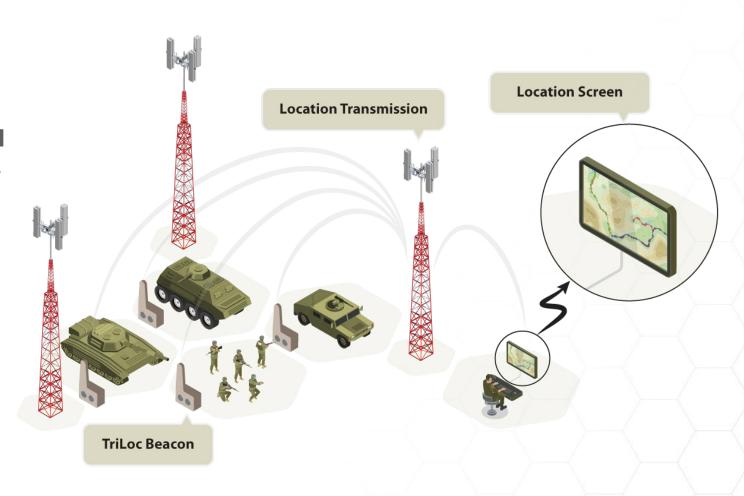


Location Information in GPS-Denied Environments



SECURE ASSET TRACKING SOLUTION

- A scalable solutions for tracking and locating field-deployed assets.
- Suitable for vehicles, equipment and personnel. Appropriate for military as well as civilian use (e.g. emergency response roll-outs - floods, fires etc.)
- Uses GPS or **cellular triangulation** in **GPS-denied environments**
- Extended battery life for long-term deployment in the field
- Server-side location and tracking application





TRILOC BEACON ASSET TRACKING SYSTEM COMPONENTS

TriLoc Beacon Transmitter

 Acquires position using GPS or cellular triangulation. Encrypts position information and transmits to TriLoc server.

TriLoc Server Application

 Receives and decodes position information. Displays asset location and historical movements.





SUMMARY

- Use in any environment, with or without GPS
- Public cellular network triangulation technology
- Energy Smart power management for 6 months of use
- MIL-STD spec for use under all field conditions
- Small and light for use by personnel, vehicles, equipment
- RSA encryption of position information
- Server-side application for displaying real-time & historical position information.





