

Manufacturer: Smartek Systems

Product Model: SVS

The **SVS-1** is a cost-effective and highly reliable video image detection system designed for **intersection stop line vehicle detection**. Using **state-of-the-art processing hardware** and **sophisticated detection algorithms**, the SVS-1 offers an efficient, non-intrusive alternative to traditional in-pavement magnetic loops.

Capable of connecting **up to six (6) off-the-shelf NTSC cameras**, a single SVS-1 processor can monitor multiple intersection approaches while maintaining a **small installation footprint**.

Setup is straightforward and can be performed **with just a mouse and monitor** or via **PC using SmartTek's SVS Setup and Monitor software**.

Key Features

- **Simple Setup:** Configure directly using a mouse and monitor or via PC software.
- **True Vehicle Presence Detection:** Call is held as long as vehicles remain in the detection zone.
- **Multi-Camera Support:** Supports up to 6 NTSC cameras for comprehensive intersection coverage.
- **Flexible Zone Configuration:** 30 directional zones per camera with customizable grouping logic per phase.
- **Multiple Output Options:**
 - Up to 8 opto-isolated vehicle presence relay outputs per camera.
 - Relay routing to onboard connector or external relay cards.
- **SDLC Interface:** Eliminates need for detector cardfiles.
- **Additional Inputs:** Six opto-isolated inputs for the Shelf Mount model.
- **Low Power Requirements:** Operates on 12 VDC to 24 VDC.

Specifications

- **Processor Capacity:** Up to 6 NTSC cameras

- **Dimensions (Shelf Mount):** 4.5" H × 6.75" W × 8.0" L
- **Dimensions (Single Camera Card):** Standard TS-2 card form factor
- **Operating Temperature:** -35°C to +75°C
- **Warranty:** Two years

Benefits

- Eliminates the need for costly and intrusive in-pavement installations.
- Covers multiple approaches from a single compact processor unit.
- Highly configurable to adapt to various traffic control scenarios.
- Reliable performance in a wide range of environmental conditions.