# ASI Intelligent Redundancy Switch Kit
## VB243-KIT

## OVERVIEW

The VB243 ASI Intelligent Redundancy Switch Kit leverages Sencore's proven VideoBRIDGE stream monitoring capabilities into a full, dual-path redundancy switch with autonomous operation. It provides deep signal analysis on both signal paths for unprecedented switching decision making. Front panel controls with illuminated signal path visualization and buttons give local control and provide an at-a-glance overview of switching operations.

Local autonomous operation, remote control by NMS and/or triggers in addition to a SuperLocal mode for complete local override make the VB243 suitable for any real-life operational challenges. The VB243 has multiple layers of redundancy including a dual power supply chassis and magnetically latched broadcast-grade signal relays to protect from any contingency, even a complete power loss.

The VB243 has two ASI inputs, each with taps to feed the included VB242 ASI input module with signals from two different production chains for real-time analysis of both signals. If any problem in any parameter is detected, pre-set rules apply and the unit will check the opposite input for the same failure and switch if no failure is detected. To avoid switch toggling, rules for a minimum time to switch back or manual switchback also can be set. All the parameters in the comprehensive ETR290 engine can be utilized for switch triggering, including detailed CA system validation checks and all priority 1/2/3 parameters.

The VB243 system can be set up to be totally independent and make its own switching decisions, but can also be controlled from an NMS system with extensive Eii (External Integration Interface) parameters or SNMP triggers. All parameters can be controlled using the built-in web GUI which displays a visual overview of parameters used in switch decisions and system status.

## KEY FEATURES

- 2:1 switching operation with latching relays
- Simultaneous monitoring of two ASI switching inputs plus ad-hoc ASI input
- 2 DVB-ASI inputs EN 50083-9, Annex B
- 1 DVB-ASI output EN 50083-9, Annex B
- Main ASI inputs and outputs: 75 ohm BNC (female) connectors
- Spare ASI input: 75 ohm HD-BNC (female)
- Supports burst mode, spread mode, M2S
- Supports 188 or 204-byte packet length
- Switching modes: automatic, manual, SuperLocal
- TS 101 290 priority 1, 2 and 3 switching criteria
- PID analysis, Service analysis, bandwidth overview, table analysis
- Automatic or manual TS recording of up to 200MB
- Thumbnail extraction
- Configurable alarm severity level
- Exportable logs
- Management port: 10/100/1000-T RJ45
- Web-based element management

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# SPECIFICATIONS
ASI Intelligent Redundancy Switch Kit - VB243-KIT

## PHYSICAL AND ENVIRONMENTAL

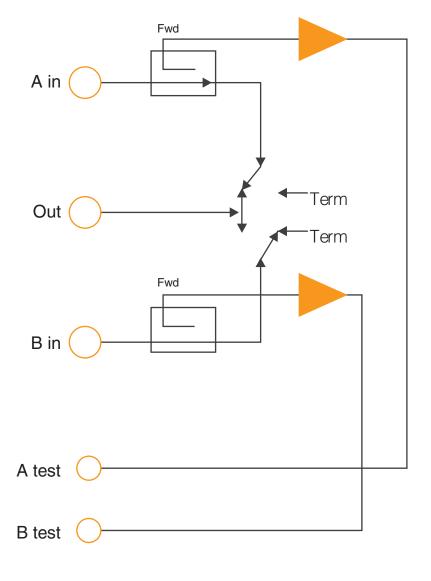| | |
|---|---|
| Input Power: | 100-240V AC, 50-60 Hz, Dual power supply |
| Power Consumption: | 25W max. |
| Operating Temperature: | 0 to +45 deg.C |
| Storage Temperature: | -20 to +70 deg.C |
| Relative Humidity: | 5% to 95% (non-condensing) |
| Compliance: | CSA, UL, CE |

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Form Factor: | Standard 19" 1RU rack-mount |
| Size (W x H x D): | 483 x 43 x 400 mm (19 x 1.7 x 15.7 in.) |
| Weight: | 8.2 kg (18.1 lbs.) |

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