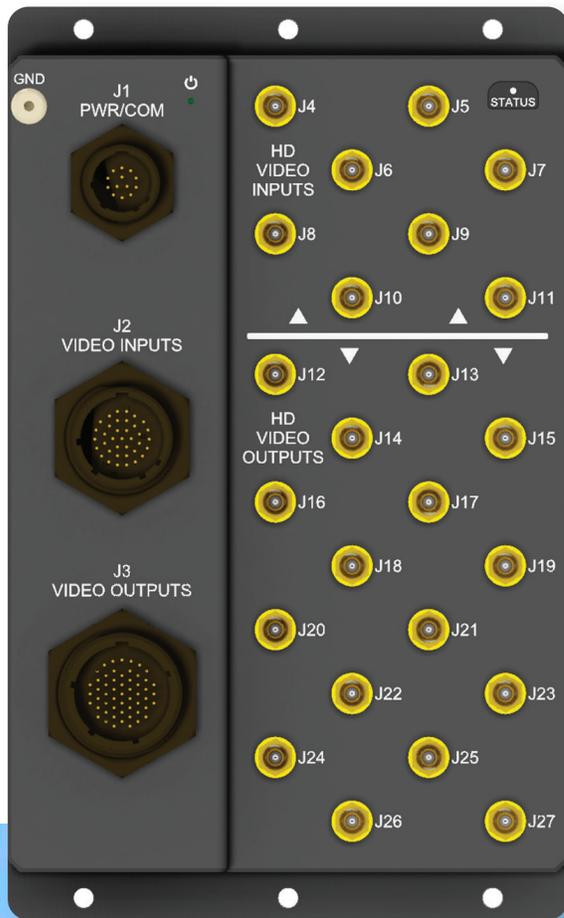


# AVC1816

## Smart Video Controller

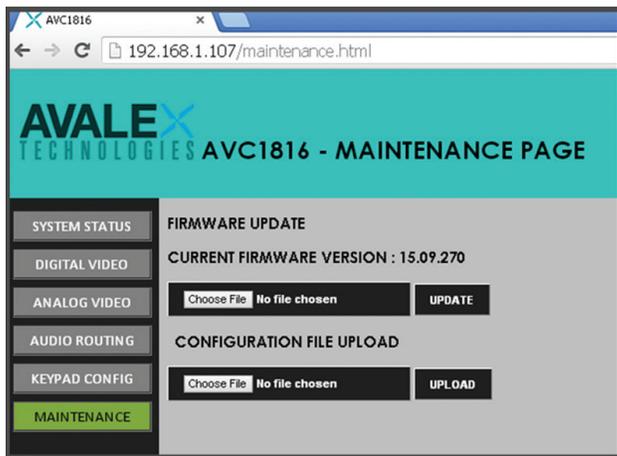


### SIGNALS MANAGEMENT SIMPLIFIED//

- Manage video inputs for complex installations effortlessly
- Route multiple sources of analog video, audio and serial digital video
- Dynamic switching
- SD: RGB, RS-170, VGA
- HD: SMPTE 292 / 424
- Analog audio
- Ethernet, CANbus, Discretes, RS-232
- Fail-safe routing
- Rugged, small form factor
- Optional NVIS-compliant remote control panel

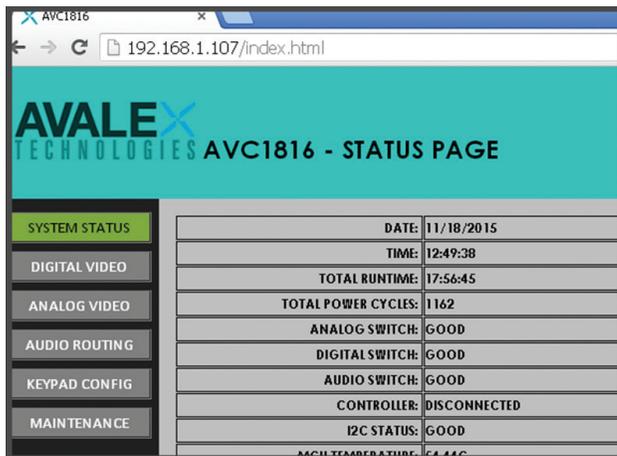


# AVC1816 Smart Video Controller



## CUSTOMIZED CONFIGURATION

Want out-of-the box support for fleet integrations? Avalex will create and manage custom configurations of the AVC1816 smart video controller for a factory default delivery that provides the analog video routing, audio route / mux and levels, remote keypad control configuration, and Ethernet settings the mission requires. And with available remote assistance, configuration updates and field uploads are ready when you are.



## SMART SWITCH STATUS

Numerous internal sensors monitor the health and performance of the smart switch. Continuous Built-in-Test results are shown in HTML GUI of the system status homepage. Lifetime usage statistics, internal communications status, operating temperatures, and SDI digital signal are all monitored and reported.

## FAIL-SAFE ROUTING

In case of power outage, integrated fail-safe routing ensures STANAG, RS-170, RGB, SMPTE 292 / 424 signals will route through MIL-C-38999 Series III and HD BNC coaxial connectors.

## SPECIFICATIONS

### DIMENSIONS //

Height .....	9"	228.6 mm
Width .....	5.5"	139.7 mm
Depth .....	1.38"	35.1 mm
Weight .....	1.9 lb	0.87 kg

### I/O //

Cabin .....	0-25 PSIA / 1.72 Bar
Static .....	0-20 PSIA / 1.38 Bar

### REMOTE SENSORS //

SD Video Inputs .....	15
SD Video Outputs .....	24
HD Video Inputs .....	8
HD Video Outputs .....	16
Audio Inputs .....	3
Audio Outputs .....	2
Communications .....	Ethernet, CANbus, Discretes, RS-232
Signals .....	Analog Audio / Video, SMPTE 292M, SMPTE 424M Level A

### CHARACTERISTICS //

Power .....	28 VDC
Typical Power Draw .....	1A at 28 VDC (28w)
Temperature .....	-40 to +70° C

### QUALIFICATIONS //

MIL-STD-810G, MIL-STD-461E, DO-160

