AVC1816
Smart Video Controller

Manage video inputs on complex installations effortlessly with the AVC1816. This rugged, smart video controller routes multiple sources of analog video, audio, and serial digital video throughout a vehicle or installation, providing real-time control over input/output configurations, with dynamic switching initiated via Ethernet, RS-232, ARINC 825 CAN bus, or an optional NVIS-compliant AVC1816-CTRL remote control panel. Integrated failsafe routing means that even in the event of a power outage, STANAG, RS-170, RGB, SMPTE 292, and SMPTE 424 signals will route via the tough MIL-C-38999 Series III and HD BNC coaxial connectors.

With its longevity and reliability, the AVC1816 is the ideal video router for meeting the complex and demanding missions of today and tomorrow.

FEATURES
- DYNAMIC SWITCHING
  - SD: RGB, RS-170, VGA
  - HD: SMPTE 292 / 424
- ANALOG AUDIO
- ETHERNET, CANBUS, DISCRETES, RS-232
- FAIL-SAFE ROUTING
- SMALL FORM FACTOR
AVC1816

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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 //

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,
SMPTPE 424M Level A

CHARACTERISTICS //

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

QUALIFICATIONS //


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.