TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-I Dual Link
Host Interface	(1) DVI-I 29-pin (female)
User Console Interface	(1) DVI-I 29-pin (female)
Max Resolution	2560 x 1600 @ 60Hz; 3840x2160 @ 30Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 1.1 and 1.0 Keyboard and Mouse only. USB 2.0 for CAC connection.
USB Type B Inputs	(1) Keyboard-Mouse; (1) CAC
User Console Output Interface	(2) USB Type-A for keyboard and mouse connection only. (1) USB Type-A for CAC connection.
AUDIO	
Input	(1) Connector Stereo 3.5mm Female
Output	(1) Connector Stereo 3.5mm Female
POWER	
Power Requirements	12V DC, 2A power adapter with center-pin positive polarity
ENVIRONMENT	
Operating Temp	32° to 104° F (0° to 40° C)
Storage Temp	-4° to 140° F (-20° to 60° C)
Humidity	0-80% RH, non-condensing
CERTIFICATIONS	
Security Accreditation	Common Criteria Validated To NIAP, Protection Profile PSS Ver. 4.0
OTHER	
Emulation	USB 1.1 and USB 2.0 Compatible
Control	Front Panel Buttons

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SA-DVN-1S-P	1	1-port, Secure DVI-I KVM Isolator
PS12VDC2A	1	12V DC, 2A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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DESIGNED AND MADE IN THE USA

Toll Free: (888) 994-7427
Phone: (702) 990-0523
Fax: (702) 441-5590

**3291 N. Jones Blvd.,
Las Vegas, NV 89108**

iPGARD.COM

iPGARD™

SA-DVN-1S-P

Secure KVM Isolator

Advanced 1-Port Secure Single-Head DVI-I KVM Isolator

Quick Start Guide

A full Manual can be downloaded from www.ipgard.com/documentation/

EDID LEARN

The KVM is designed to learn a connected monitor's EDID upon power up. In the event of connecting a new monitor to the KVM, a power recycle is required.

The KVM will indicate the unit's EDID learn process is active by flashing the front panel's LED. The LED will flash green for approximately 10 seconds upon beginning the EDID learn. Once the LED stop flashing, the power will cycle and the EDID learn will be complete.

A monitor must be connected to the video output port located in the console space at the back of the KVM during the EDID learn process.

If the read EDID from the connected monitor is identical to the current stored EDID in the KVM then the EDID learn function will be skipped.
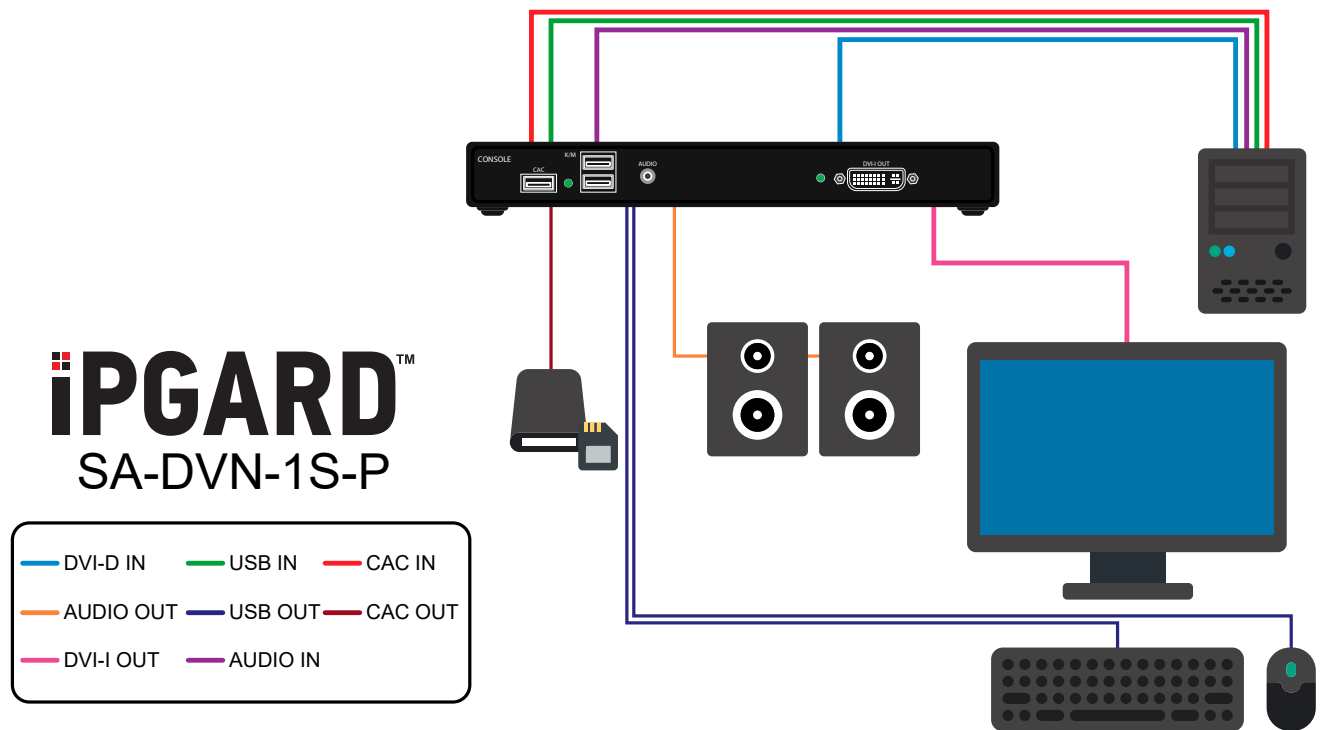
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HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computer.
2. Use a DVI cable to connect the DVI output port from the computer to the corresponding DVI-I IN port of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on the computer to the respective USB ports of the unit.
4. Optionally, for CAC models, connect a CAC (Common Access Card, Smart Card Reader) to the CAC port in the user console interface.
5. Optionally, connect a stereo audio cable (3.5 mm to 3.5 mm) to connect the audio output of the computer(s) to the audio in ports of the unit.
6. Connect a monitor to the DVI-I OUT console port of the unit using a DVI cable.
7. Connect a USB keyboard and mouse in the two USB console ports.
8. Optionally, connect stereo speakers to the audio out port of the unit
9. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on the computer.

Note: You can connect 1 computer to the 1 port KVM.

iPGARD™
SA-DVN-1S-P

— DVI-D IN	— USB IN	— CAC IN
— AUDIO OUT	— USB OUT	— CAC OUT
— DVI-I OUT	— AUDIO IN	

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