TECHNICAL SPECIFICATIONS

VIDEO

Format	DVI Dual Link
Host Interface	(4) DVI-D 29-pin (female)
User Console Interface	(2) DVI-D 29-pin (female)
Max Resolution	2560 x 1600 @ 60Hz
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 2.0, 1.1, and 1.0 w/ internal hub
Input Interface	(4) USB Type B
Output Interface	(2) USB 1.1 Type A for KVM Devices (2) USB 2.0 Type A Transparent

AUDIO

Input	(4) Connector Stereo 3.5mm Female
Output	(1) Connector Stereo 3.5mm Female

POWER

Power Requirements	12V DC, 3A 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

CONTROL

Front Panel	Push Buttons with LED indicators
RS-232	Via Serial @ 115200 bps
Hot Keys	Via Keyboard

OTHER

Emulation	Keyboard, Mouse and Video

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
QKVMPro	1	4-port, DVI-I Multiviewer KVM Switch
PS12VDC3A	1	12V DC, 3A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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DESIGNED AND MADE IN THE USA

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

QKVMPro

4-Port DVI-D Multiviewer & KVM Switch with Dual Video Outputs

4-port DVI-D Multiviewer & KVM Switch with Audio, USB 2.0, and Preview Screen
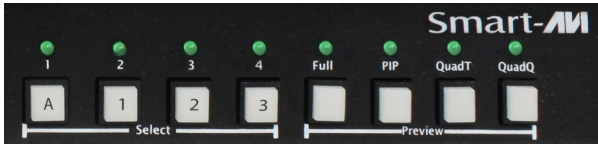
Quick Start Guide

A full Manual can be downloaded from www.smartavi.com/QKVMPro/

EDID LEARN

The QuadKVMPro has 3 preset EDIDs that can be triggered from the front panel by pressing:

- **A** and **1** simultaneously will invoke IPG - DVI
- **A** and **2** simultaneously will invoke IPG - HDMI
- **A** and **3** simultaneously will invoke IPG - HDMI+

SYSTEM CONTROL

There are four ways to control the QKVMPro: Keyboard HotKeys, RS-232 Serial Commands, OSD Menu and Front Panel Buttons.

The settings for the serial connection are as follows:
Baud rate: <u>115200</u>; Data Bits: <u>8</u>; Parity: <u>None</u>; Stop Bits: <u>1</u>; Flow Control: <u>None</u>.

The following commands can be used:

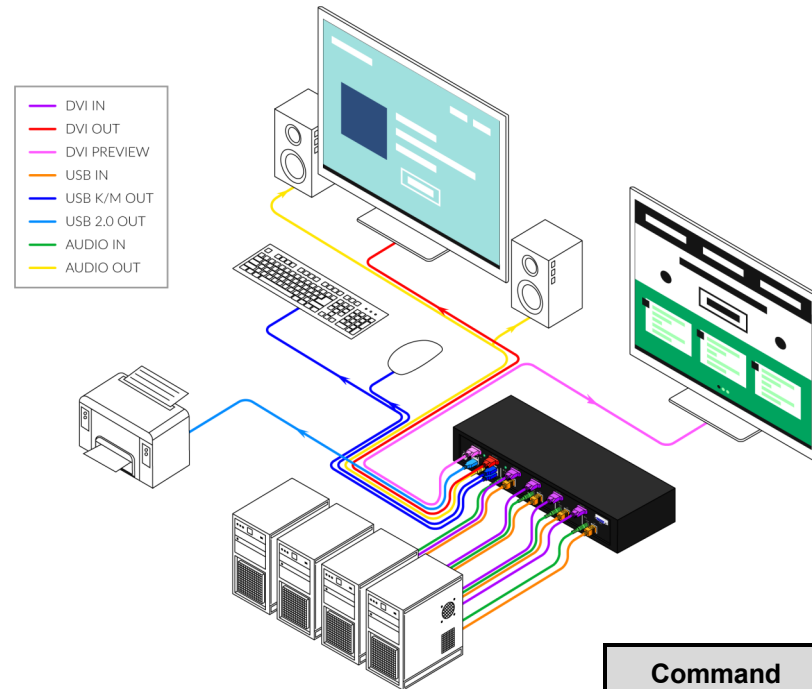| Command	HotKey	RS-232
Switch KVM	`[CT][CT]m[#]<CR>`	`//m[#]<CR>`
Full Screen	`[CT][CT]f[#]<CR>`	`//f[#]<CR>`
PiP	`[CT][CT]p[a][b]<CR>`	`//p[a][b]<CR>`
T-Quad	`[CT][CT]t[#]<CR>`	`//t[#]<CR>`
Quad	`[CT][CT]q<CR>`	`//q<CR>`
Audio Only	`[CT][CT]a[#]<CR>`	`//a[#]<CR>`
KM Only	`[CT][CT]c[#]<CR>`	`//c[#]<CR>`
USB Only	`[CT][CT]u[#]<CR>`	`//u[#]<CR>`
Learn EDID	`[CT][CT]e <CR>`	`//e <CR>`
SW Reset	`[CT][CT]r`	`//r <CR>`
Status Query	`N/A`	`//?? <CR>`

Chart Key

`[CT]` = Ctrl

`<CR>` = Carriage Return (Enter Key)

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use DVI cables to connect the DVI output ports from each computer to the corresponding DVI-I IN ports of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
4. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computers to the AUDIO IN ports of the unit.
5. Connect monitors to the DVI-I OUT console ports of the unit using DVI cables.
6. Connect a USB keyboard and mouse in the two USB console ports.
7. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
8. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

OSD MENU

Important: When in OSD Menu, all keyboard and mouse functionality will be blocked from the computer and only used for the OSD commands. After exiting the OSD menu, all keyboard and mouse functionality will be restored.

NOTE: When entering one of the Function commands, the Enter Key must be pressed for the function to take effect

Command	HotKey
OSD ON/OFF	`[CT][CT]o<CR>`
OSD UP	`⇧(UP arrow)`
OSD DOWN	`⇩(DOWN arrow)`
OSD LEFT	`↤(LEFT arrow)`
OSD RIGHT	`↦(RIGHT arrow)`
OSD Enter	`[ENTER]`
OSD Esc	`[ESC]`