

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DP
Maximum Pixel Clock	Single-link 340MHz [10.2Gbps]
Input Interface	(4) DP
Output Interface	DP
Resolution	800 x 600 up to 3840 x 2160
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
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) 3.5 mm Stereo Audio
Output	(1) 3.5 mm Stereo Audio
POWER	
Power Requirements	External 100-240 VAC/12VDC3A @ 36W
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
SM-QKVM-DP-S	1	4-Port DP, USB 2.0 KVM Switch with Multiview Preview Screen and Audio Support.
PS12VDC3A	1	12V DC, 2A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

QKVM-DP

4x2 Multiviewer KVM switch



ULTRA-HD QUADRUPLE VIEW KVM
SWITCH 4-PORT DP, USB 2.0 KVM
SWITCH WITH MULTIVIEW PREVIEW
SCREEN TO VIEW ALL 4 VIDEO
SOURCES SIMULTANEOUSLY

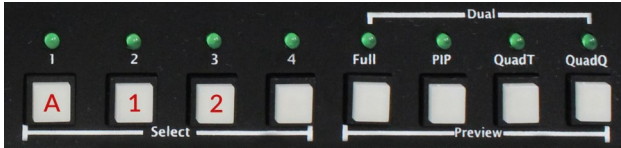
Quick Start Guide

A full Manual can be downloaded from
www.smartavi.com/QKVM-DP/

EDID LEARN

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

- A and 1 simultaneously will invoke IPG-1080p
- A and 2 simultaneously will invoke IPG - 4K



SYSTEM CONTROL

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

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

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>

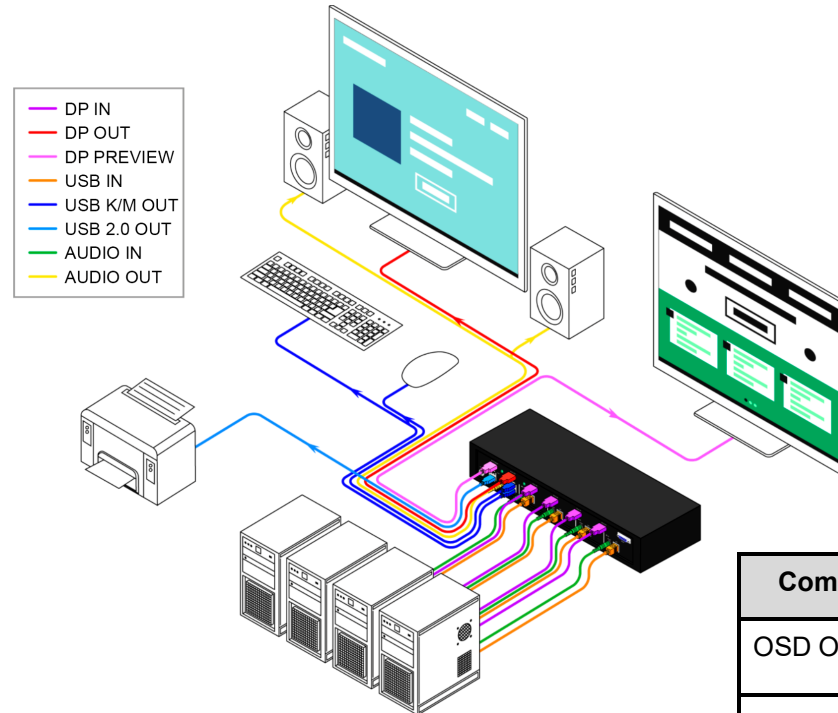
Chart Key

[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 DP cables to connect the DP output ports from each computer to the corresponding DP-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 DP-I OUT console ports of the unit using DP 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]