



# EDPN-PRO-4Q

Seamless DisplayPort KVM For Radiology & Medical Imaging

**Designed for diagnostic workstations and reading rooms.** Securely control multiple imaging systems — PACS, RIS, VNA, CT, MRI, Ultrasound, and Advanced Visualization servers — from a single workstation with zero disruption. Centralize your workflow, eliminate desk clutter, and switch instantly between systems while preserving full image integrity — including 2048×2048 and 4K @ 60Hz.

## KEY FEATURES AND CAPABILITIES



**True seamless switching** — no video blanking or re-sync



**Integrated Multiview modes** for simultaneous source monitoring



**Supports 2048×2048 & 4K @ 60Hz** via DisplayPort



**EDID retention** — monitor settings remain intact



**USB keyboard & mouse emulation**



**Independent USB 2.0 channels** for peripherals



**Front panel, hotkey, and web switching**



**Stereo audio support**



**Flash-upgradable firmware**

## OPTIMIZED FOR



**Radiology Reading Rooms**



**Diagnostic Imaging Centers**



**Advanced Visualization Labs**



**PACS Workstations**

# HOW IT WORKS



## Fullscreen Mode

In the Full Screen mode, one of the four computers is displayed in full screen size and maximum resolution



## Dual Mode

In the Dual Mode, the screen is split into two fields of equal size with the screen content of two video sources or computers being displayed in each of these fields.



## Picture-in-Picture (PiP)

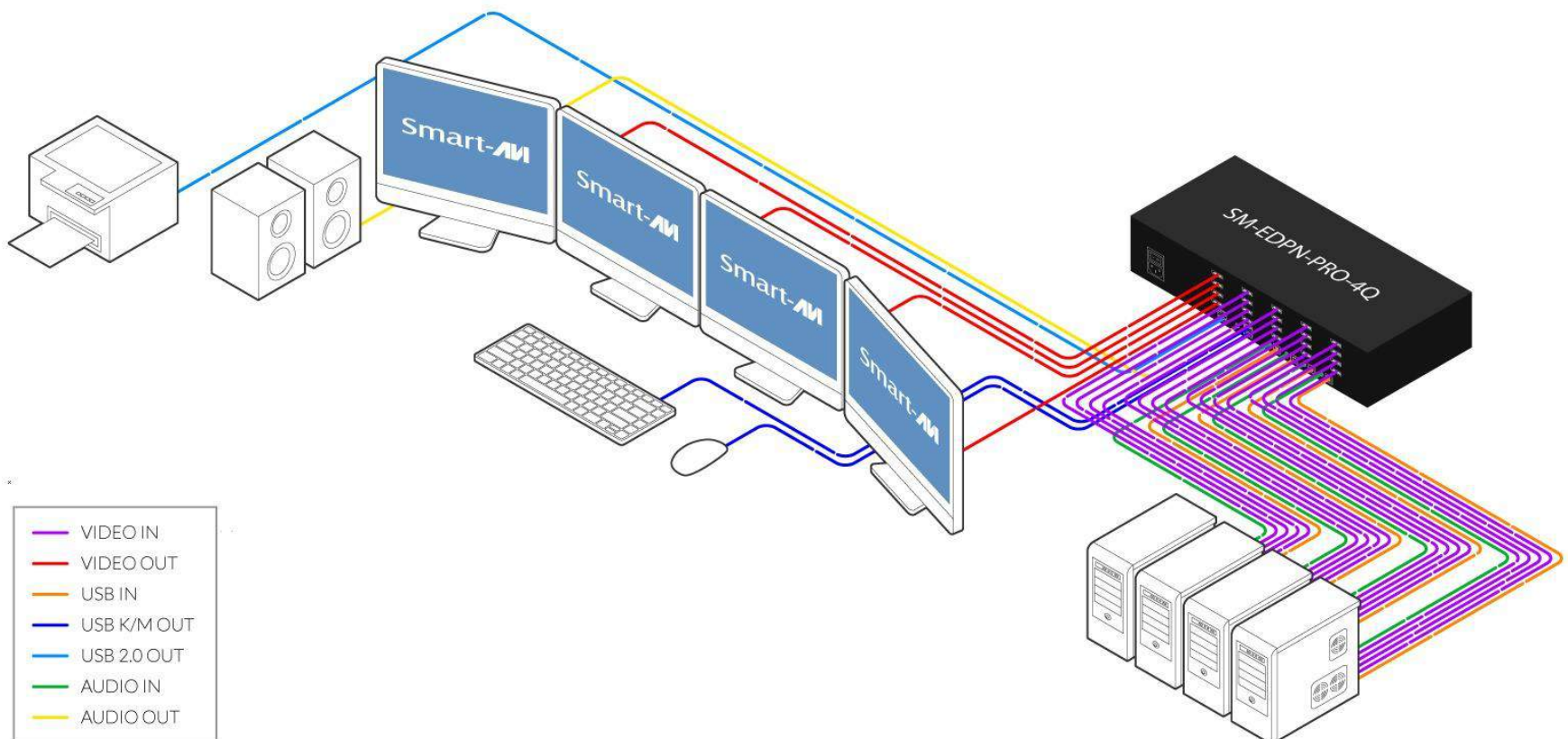
The PiP Mode is fixed in size and position; the full screen displays one of the four video sources, and a smaller image (thumbnail) containing another video source on the right-hand margin of the screen allows for simultaneous monitoring.



## Quad Mode

In Quad Mode, the screen is split into four fields of equal size with the screen content of four video sources or computers being displayed in each of these fields.

# APPLICATION DIAGRAM



Immediate access to prior studies and parallel systems  
Supports **Single-Head, Dual-Head, and Quad-Head**

# KEY CAPABILITIES

- **Integrated Multiviewer:** Simultaneous review of multiple imaging sources
- **Ultra-low latency:** Preserving natural cursor and image response
- **True seamless switching:** No screen blanking or re-synchronization
- **4K60 DisplayPort:** Full pixel integrity
- Supports specialized medical imaging

## SPECIFICATIONS

Video	
<b>Format</b>	DisplayPort1.2
<b>Maximum Pixel Clock</b>	594 MHz
<b>Input Interface</b>	SM-EDPN-PRO-4Q (16) DisplayPort 20-pin (female)
<b>Output Interface</b>	SM-EDPN-PRO-4Q (4) DisplayPort 20-pin (female)
<b>Resolution</b>	3840 x 2160 @ 60 Hz
<b>Color Mode</b>	24-bit
<b>DDC</b>	5 volts p-p (TTL)
<b>Input Equalization</b>	Automatic
<b>Input Cable Length</b>	Up to 20 ft
<b>Output Cable Length</b>	Up to 20 ft
<b>Data Rate</b>	1.65 Gbps per color
<b>EDID Support</b>	Full emulation & preloaded profiles

Audio	
<b>Input Interface</b>	(4) 3.5 mm Stereo Audio
<b>Output Interface</b>	(1) 3.5 mm Stereo Audio
<b>Impedance</b>	600 Ohm
<b>Frequency Response</b>	20 Hz to 20 kHz
<b>Nominal Level</b>	0-1.0 V
<b>Common Mode</b>	Rejection at 60 dB

Control	
<b>Front Panel</b>	Push Buttons with LED Indicators
<b>LAN</b>	RJ45
<b>Hot Keys</b>	Via Keyboard

USB	
<b>Signal Type</b>	USB 2.0, 1.1, and 1.0 w/ internal hub
<b>Input Interface</b>	(4) USB Type B (female)
<b>Output Interface</b>	(2) USB Type A (female) for K/M emulation; (2) for USB 2.0 Transparent

Other	
<b>Power Adapter</b>	External 120-240 VAC, Internal PSU
<b>Dimensions</b>	17.0" W x 2.7" H x 8.69" D
<b>Weight</b>	4.4 lbs
<b>Approvals</b>	UL, CE, ROHS Compliant
<b>Operating Temperature</b>	+32 to +104°F (0 to +40°C)
<b>Storage Temperature</b>	-4 to 140°F (-20 to +60°C)
<b>Humidity</b>	Up to 80% (No Condensation)
<b>Emulation</b>	Keyboard and Mouse



Designed and Manufactured in the USA

Tel: (888) 994-7427 • (702) 800-0005

2917 E Alexander Rd. North Las Vegas, NV 89030