



VP-81SID

8x1 Digital Step-In Switcher



The **VP-81SID** is a high-performance digital switcher for twisted pair, DVI and HDMI signals. The unit has DVI and HDMI local inputs and eight twisted pair inputs from HDMI, DVI, DisplayPort and computer graphics video step-in modules, each of which has a step-in button to select the input on the switcher.

FEATURES

- Max. Data Rate - 4.95Gbps (1.65Gbps per graphic channel).
- HDTV Compatible.
- HDCP Compliant.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- System Range - Up to 50m (164ft) at 1080p on shielded BC-DGKat623 cable.
- Cable - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC-DGKat623 or BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer CAT 6 and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- Flexible Control Options - Step-in switching (inputs 1-8), RS-232, RS-485, contact closure, Ethernet & IR.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.

TECHNICAL SPECIFICATIONS

- INPUTS:** 8 DGKat twisted pair on RJ-45 connectors; 1 DVI-D, 1.2Vpp on a DVI Molex 24-pin (F) connectors, DDC signal 5Vpp (TTL), 1 HDMI; 2 unbalanced stereo audio (1 for DVI and 1 for HDMI) on 3.5mm mini jacks.
- OUTPUTS:** 1 DGKat twisted pair on an RJ-45 connector, 1 HDMI; 1 balanced stereo audio on a 5-pin detachable terminal block, 1 unbalanced stereo audio on 2 RCA connectors, 1 digital audio on an RCA connector.
- BANDWIDTH:** 4.95Gbps (1.65Gbps per graphic channel).
- STANDARDS:** HDMI with Deep Color, x.v.Color™ and 3D.
- POWER CONSUMPTION:** 100–240V AC, 50/60Hz 68VA.
- OPERATING TEMPERATURE:** 0° to +40°C (32° to 104°F).
- STORAGE TEMPERATURE:** -40° to +70°C (-40° to 158°F).
- HUMIDITY:** 10% to 90%, RHL non-condensing.
- DIMENSIONS:** 43.7cm x 18.1cm x 4.4cm (17.2" x 7.1" x 1.7") W, D, H rack-mountable.
- WEIGHT:** 2.0kg (4.41lbs) approx.
- INCLUDED ACCESSORIES:** Power cord, Windows® based Kramer control software, RC-IR3 Infrared Remote Control transmitter, rack "ears".
- OPTIONS:** External remote IR receiver cable, 15m extension cable.

