SID-X1N
DisplayPort, HDMI, VGA & DVI Auto
Switcher over DGKat

The SID−X1N is a DGKat™ twisted pair transmitter and step−in commander for computer graphics video, HDMI, DVI, DisplayPort and unbalanced stereo audio signals. The unit includes a “Step−in” button that allows the local source to be routed as the active source on the main display through the main switcher.

FEATURES

Max. Data Rate - 4.95Gbps (1.65Gbps per graphics channel)
Compatible Switcher - VP−81SIDN
HDTV Compatible
HDCP Compliant - Works with sources that support HDCP repeater mode
HDMI Support - x.v.Color™ and 3D
EDID Pass–through - Pass–through algorithm ensures Plug and Play operation for HDMI source and display systems
Data Equalization and Reclocking
Input Signal Detection - Based on video clock presence
Automatic Input Selection - Based on manual selection or last connected input
Automatic Analog Audio Detection and Embedding
Local Balanced Audio De-embedding
Support for Digital Audio Formats
Lockable EDID
DGKat™ Signal Integration - Kramer’s unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables
Cable - Requires STP (shielded twisted pair) cable. For optimum range and performance, use shielded Kramer CAT 6 or CAT 7 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
Power Connect™ System - A single connection to the transmitter powers both units when the devices are within 150ft (50m) of each other
Local Step-In Switching - Button & contact closure
Power Supply - Requires independent power supply
## TECHNICAL SPECIFICATIONS

**INPUTS:**
- 1 HDMI on an HDMI connector, 1 DP on a DisplayPort connector, 1 DVI-D on a DVI-I connector
- 1 VGA on a 15-pin HD (F) connector, 1 unbalanced stereo audio on a 3.5mm mini jack

**OUTPUTS:**
- 1 twisted pair on an RJ-45, 1 unbalanced stereo audio in a 3.5mm mini jack

**PORTS:**
- 1 RS-232 3-pin terminal block for programming

**CONTROLS:**
- Front panel buttons, remote step-in switch, remote input selection switches

**ANALOG AUDIO INPUT:**
- Maximum level = 3Vpp

**REMOTE LED IMPEDANCE:**
- 5V, 300Ω approx

**STANDARDS:**
- HDMI with x.v.Color™ and 3D; HDCP: works with sources that support HDCP repeater mode

**MAXIMUM DATA RATE:**
- 4.95Gbps (1.65Gb per graphics channel)

**MAXIMUM STEP-IN DISTANCE:**
- 50m (164ft) up to 1080p @60Hz @24bpp

**POWER CONSUMPTION:**
- 12V DC, 1.1A

**COMPLIANCE STANDARDS:**
- CE, UL

**OPERATING TEMPERATURE:**
- 0°C to +40°C (32°F to 104°F)

**STORAGE TEMPERATURE:**
- −40°C to +70°C (−40°F to 158°F)

**HUMIDITY:**
- 10% to 90%, RHL non-condensing

**COOLING:**
- Convection, vents

**ENCLOSURE TYPE:**
- Aluminum

**INCLUDED ACCESSORIES:**
- Power adapter

**Product Dimensions**
- 18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H

**Product Weight**
- 0.5kg (1.0lbs) approx

**Shipping Dimensions**
- 34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H

**Shipping Weight**
- 1.4kg (3.1lbs) approx
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<thead>
<tr>
<th>Configuration</th>
<th>Description</th>
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<tbody>
<tr>
<td>SID-X1N</td>
<td>4-Input Multi-Format Video over DGKat Transmitter &amp; Step-In Commander</td>
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<td>SID-X1N/GB</td>
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