KRAMER

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

| VGA/UXGA - 15-pin HD | DVI | HDMI
| HDCP Compliant | 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

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI 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 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

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

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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
PRODUCT DIMENSION:	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 DIMENSION:	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
POWER CONSUMPTION:	12V DC, 1.1A
COMPLIANCE STANDARDS:	CE, UL
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
COOLING:	Convection, vents
ENCLOSURE TYPE:	Aluminium
INCLUDED ACCESSORIES:	Power adapter
OPTIONS:	RK−T2B 19" rack adapter, RTBUS−12, RTBUS−22, SID−X1NBP Kit (substitute black top plate for the SID−X1N to blend in with the color of the modular TBUS−10xl)

To remote input
LED indicator

To remote input
selector switch
and LED

To remote step-in
switch and LED

To
VP-81SIDN

CAT 6

Audio

DP

Computer
Graphics Source/
Laptop

HDMI

DVD Player

DVI

Computer
Graphics
Source

UXGA

Computer
Graphics
Source

Audio

Power Amplifier
with Speakers