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

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

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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
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:	Aluminum
INCLUDED ACCESSORIES:	Power adapter
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

CONFIGURATIONS

SID-X1N	4–Input Multi–Format Video over DGKat Transmitter & Step–In Commander
SID-X1N/GB	4–Input Multi–Format Video over DGKat Transmitter & Step–In Commander - GB
SID-X1N/JP	4–Input Multi–Format Video over DGKat Transmitter & Step–In Commander - JP