



## 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**

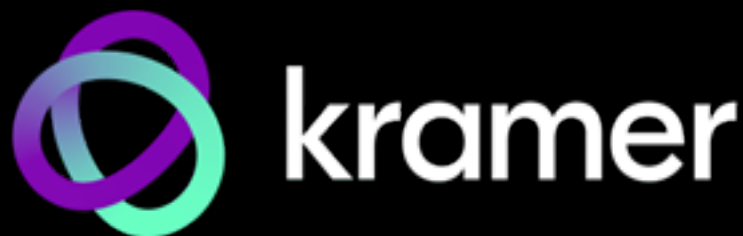
**DGKat™ Signal Integration** - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables

**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



## TECHNICAL SPECIFICATIONS

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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 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





## 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

