

KanexPro[®]

SDI-HDRPTPRO



HD-SDI Repeater with Signal Equalization & Re-clocking

User Manual

Version 1.2

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Introduction

The KanexPro 3G/SDI/HD-SDI Repeater is designed for extending AV signals at longer runs up to 300 meters using single RG6 cable. It also embeds audio up to 7.1 channels passing ancillary data. Perfect for surveillance systems, rental & staging facilities, post-production, TV studio, digital cinema, or other A/V applications

Features

- Extend and repeat SDI signals up to 300 meters*
- Auto-input detection for 3G/HD/SD-SDI
- Supports full HD 1080p/60
- Built-in signal equalizer & re-clock function
- Audio format support up to 16-channel@24 bit, 48KHz
- Compact & rugged housing
- Locking power supply & mounting ears
- Universal power supply for worldwide compatibility
- Micro-USB Port for firmware update

* 300 meters will support standard SDI resolutions when used with RG-59 (75 ohms cable) & up to 200 meters support for HD-SDI and 3G-SDI signals when used with RG-6 cable.

Package Includes

The SDI Repeater package contains the following items:

- User Manual x 1
- DC Adapter x 1

Application Diagram



Typically, SDI Repeater installation consists of the following:

1. Disconnect DC power from SDI Repeater.
2. Connect the Video source/equipment to the SDI Repeater BNCs.
3. Connect the DC power to SDI Repeater

Front Panel



NO	Component	Function
1	SDI Output Port x 1	From your SDI Display Device plug into these ports
2	Status LEDs	The LEDs is indicating input/output format and Output Port (Green: Signal Lock Red: Un-Locked)

Rear Panel



NO	Component	Function
1	Power Jack	The Power adapter plug into here.
2	SDI Input Port x 1	From your SDI Source plug into these ports

Specifications

DESCRIPTION	
Support Video Resolution	SD – 720 x 480i / 720 x 576i HD– 1280 x 720p 50p/60p 1920 x 1080 50i/60i 1920 x 1080 24p/25p/30p 3G– 1920 x 1080 50p/60p 2K– 2048 x 1080 24p/30p
SDI format	SD-SDI (SMPTE 259M) HD-SDI (SMPTE 292M) 3G-SDI (SMPTE 424M / SMPTE 425M)
Audio Support	7.1ch/5.1ch/Stereo
Re-clock Function	Yes (Default Enable)
Coaxial Cable Type	RG6/RG59(75Ω)
Cable Equalization	3G: 100m of RG6/ 86m of RG59 HD: 170m of RG6/ 120m of RG59 SD: 400m of RG6/ 280m of RG59 *1 RG6: CANARE L-5CFB Cable / RG59: Belden 9275 Cable *2 Cable Length Performance: Depending on SDI Signal and Cable Quality
Input	1 x BNC [SDI]
Output	1 x BNC [SDI]
BNC Connector	3G 75 Ω inter-locked socket
Housing	SECC
Dimension	L:63.6mm x W:70mm xH:26mm
Power Source	Power Adapter: AC 100 ~ 240 V/DC (+6 ~ 15 V)
Operation Temperature	0~50°C [32~114°F]
Storage Temperature	-20~+60°C

Update List

Data	Version	Command
2013.03.14	V1.1	1. Modify Cable Equalization
2015.03.20	V1.2	1. Change Box Pic

Warranty

A. LIMITED WARRANTY

KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the accompanying written materials for a period of 36months (3 full year) from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years.

B. CUSTOMER REMEDIES

KanexPro entire liability and Customer’s exclusive remedy shall be, at KanexPro option, either return of the price paid for the product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to KanexPro with a copy of customers’ receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period of 3 years, whichever is longer.

C. NO OTHER WARRANTIES

To the maximum extent permitted by applicable law, KanexPro disclaims all other warranties, either express or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This limited warranty gives customers specific legal rights. Customers may have other rights depending on the jurisdiction.

D. NO LIABILITY FOR DAMAGES

To the maximum extent permitted by applicable law, in no event shall KanexPro be liable for any damages whatsoever (including without limitation, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if KanexPro has been advised of the possibility of such damages.

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