

# RKT16-HDX100

RACK HDMI EXTENDER, UP TO 150 FEET OVER CAT5E/6



**16-PORT VIDEO EXTENDER SYSTEM DESIGNED TO BROADCAST HDMI SIGNALS  
UP TO 150 FEET USING INEXPENSIVE CAT5E/6 (STP)**

## FEATURES

- Supports up to 16 HDMI sources
- Supports High Resolution 1920x1200 60Hz WUXGA
- Extends up to 150 feet with CAT5e/CAT6 STP cables
- Zero pixel loss with TMDS signal correction
- DDC from internal table
- Compatible with all operating systems
- Local HDMI output for each port
- HDMI 1.3 and HDCP compliance
- Compatible with all major DVD players
- Rack Mountable Solution
- Data recovery for digital video
- Plug-and-play ready
- Uncompressed Video

## APPLICATIONS

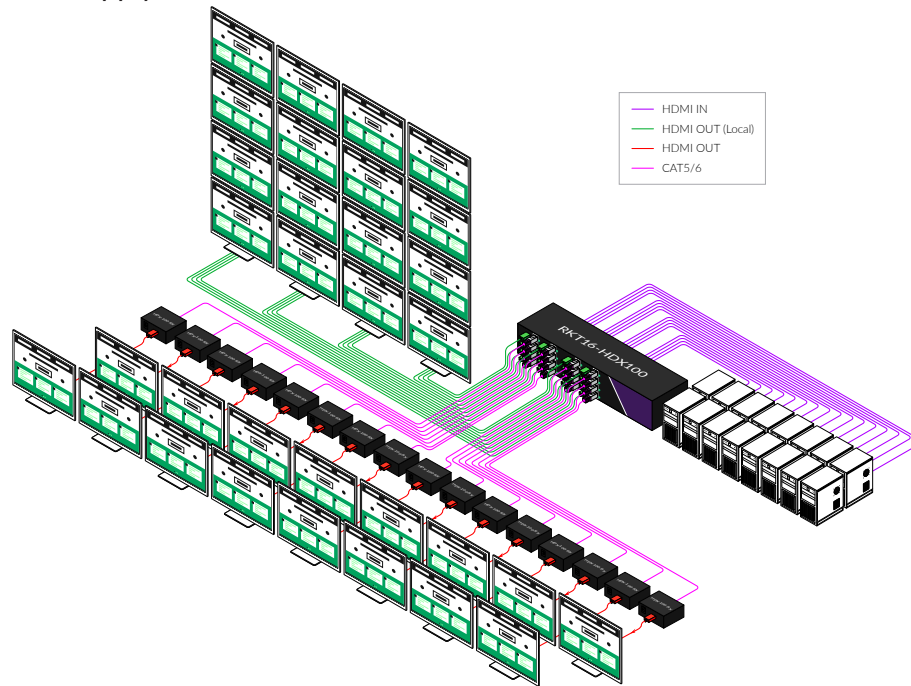
- Home Theater
- Corporate/Educational Presentations
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations
- (Air Traffic Control/Passenger Information)
- Educational Environments with Remote Displays



Designed and Manufactured in the USA

# OVERVIEW

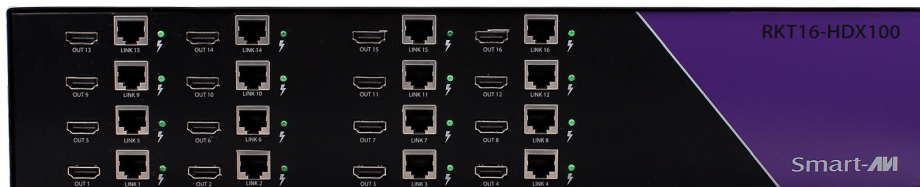
The RKT16-HDX100 is the perfect solution for extending HDMI signals to a remote location up to 150 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. It is fully compatible with MAC, PC and LINUX HDMI standards. Up to 16 displays can be extended easily from a rack without the mess or expense of multiple extenders. Rather than buy multiple extenders for your rack components, and having to find power strips or numerous power outlets for the adapters, our rack series of extenders allows for up to 16 inputs and 16 outputs and one power supply.



## RACK TO ENDPOINT

If your company uses a rack of source devices, whether it be computer servers, DVD players or other hardware, the RKT16-HDX100 allows you to run all of those components into one extension box that can accommodate between four and 16 inputs/outputs on one power supply. In this example, source signals are being routed from a company rack through the RKT16-HDX100 to multiple displays. The rack utilizes SmartAVI's HDX-RX100 receiver unit at the end point to convert the CAT5e/6 feed back into an HDMI signal.

## FRONT AND BACK



RKT16-HDX100 Front



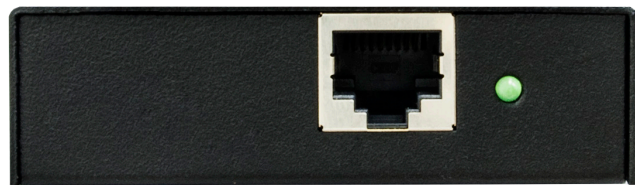
RKT16-HDX100 Back

# HDX-100-RX

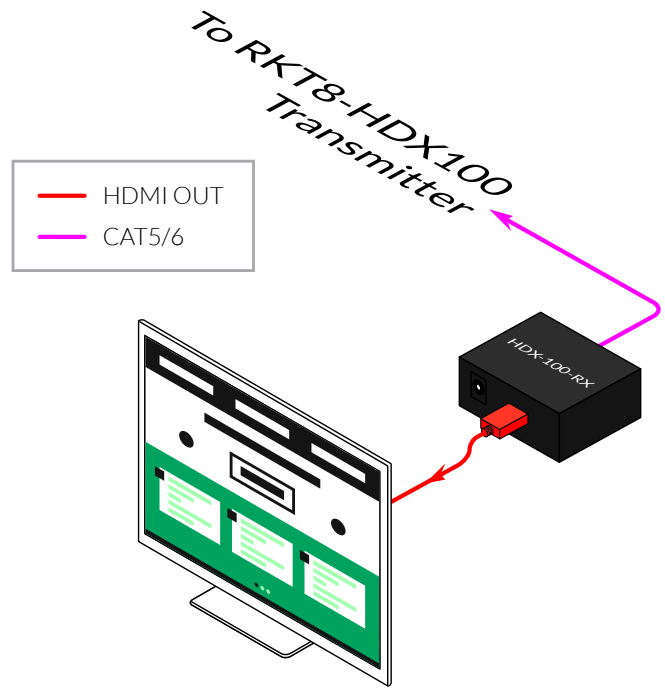
SmartAVI's HDX-100 is an innovative solution to extending any HDMI signal – be it a gaming console, Blu-Ray player, computer, etc. – over inexpensive Cat5/e6 STP cabling up to 150 feet away to one remote display and one local screen for real-time monitoring of content. This is the perfect solution for broadcasting high-definition media easily and inexpensively from a source to display screen for customers to view while keeping the CPU in a remote, secure location such as a computer room or back office of a business. Utilizing the HDX-100, users can monitor what's being shown to customers in real-time via a local display while users retain full control over the CPU or HDMI source, accessible only by key personnel. The HDX-100 is a compact unit that is easily integrated into a digital display network in a retail store, bar/lounge or other venue. The receiver unit is small and light, which makes inclusion into infrastructure very simple.



HDX-100-RX Front



HDX-100-RX Back



TECHNICAL SPECIFICATIONS	
Video Output	HDMI (DVI-D with Adaptor)
Resolution	1920 x 1200 @60Hz or 480p/720i/720p/1080i/1080p
Dimensions	2.75"W x 3.875"L x 1"H
Input	(1) RJ-45
Bandwidth	1.65 Gps
Power Adaptor	PS5VDC2A

# TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI
Maximum Pixel Clock	165MHz
Inputs	(16) HDMI
Local Outputs	(16) HDMI
Remote Outputs	(16) RJ-45
Resolution	Up to 1920 x 1200 @60Hz or 480p/720i/720p/1080i/1080p
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input/Output Cable Length	Up to 20 ft

OTHER	
Power Internal	110-240 VAC
Dimensions	17" W x 3.5" H x 3.25" D
Weight	10 lbs
Operating Temperature	0-55 °C (32-131°F)
Storage Temperature	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

PART NO.	DESCRIPTION
RKT16-HDX100-S	16-port HDMI Rack Mountable Extender Transmitter over CAT6 STP. Includes: [RKT16-HDX100-S & CCPWR06]
HDX-100-TX-S	HDMI Receiver over CAT6 up to 150 feet. Includes: [HDX-100-RX-S and PS-PS5VDC2A]

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