HDMI Extender over Giga LAN with Video Wall

HDMI extender over Giga LAN
Receiver for video wall
multi-cast and uni-cast application

Features:

● Extend high definition video signal over LAN, depending on performance network
● 16 selections on the DIP rotary switch available for pairing
● Up to 4 pairings can be transmitted simultaneously over the Giga LAN Hub (IGMP)
● Each pairing can be broadcasted up to 65536 locations (TVs/ Projectors)
● Using Giga LAN system for low latency network and well-grouping management
● Automatic EDID configuration
● Support HDMI with 2ch. audio
● HDCP-compliant and Blu-ray ready
● HDTV compatible; support 1080p, 1080i, 720p, 720i
● Compatible with most of the popular screen resolution to XGA, SXGA, UXGA, WSXGA….Full HD system
● Optional VESA mounting bracket supported

Video Wall Function

● Assign video sources to any monitors of the video wall
● Support 2x2, 3x3, 4x4...8x8 Screen Array (max. 8x8)
● Provide several cutting modes for 1xN (1x2, 1x3...) 2x3, 2x4 for wide variety of applications, such as commercial office buildings, exhibition   hall and interactive digital signage

Specifications:

	Sender Unit	Receiver Unit
Model	RVW130T	RVW130R
Input	HDMI x 1	N/A
Output	N/A	N/A
Top Panel LEDs (Power / Connection Status)	x 1	x 1
Video Resolution (max.)	Full HD (1920 x 1080) WUXGA (1920 x 1200) @ 60 Hz	
Maximum Distance	Point-to-point: 100 meters Giga Hub Cascaded: 600 meters	
LAN Type	Giga LAN	
System Expandability (max.)	16	Broadcast: 65536
Control Method	Web (LAN), Serial	
Power Supply	DC 9~12V, 1.5A	
Weight (g)	500 ~ 550	
H x W x D (mm)	25 x 96 x 130 (each Unit)	

Connection Pattern

2 x 4 Screen Array System Application - (Screen Tearing Free)

TxA TxAa TxAb

4-Port Splitter
Source A

TxB TxBa TxBb

4-Port Splitter
Source B

Source C — TxC

Source D — TxD

Source E — TxE

Source F — TxF

Source G — TxG

Source H — TxH

(IGMP)
Giga Ethernet HUB

Rx01 Rx03 Rx05 Rx07

Rx02 Rx04 Rx06 Rx08

System Configuration

CAT5 Cable
HDMI Cable

4 x 4 Screen Array system Installation - (Basic)

Description	Model No.	Q'ty
Tx	RVW130T	x 1
Rx	RVW130R	x16
Giga Hub	NHUB-G024	x1
HDMI Cable		x1

Tearing Delay: The screen tearing can be modified via the built-in configuration system. Before setting up Tearing Delay, users need to choose control target (each or several rows) and perform Tearing Delay individually.

System Configuration

Rx1 Rx2 Rx3 Rx4

Rx5 Rx6 Rx7 Rx8

Giga Ethernet HUB

Rx9 Rx10 Rx11 Rx12

Video Source — Tx

Rx13 Rx14 Rx15 Rx16

Tear Point

Tear Point
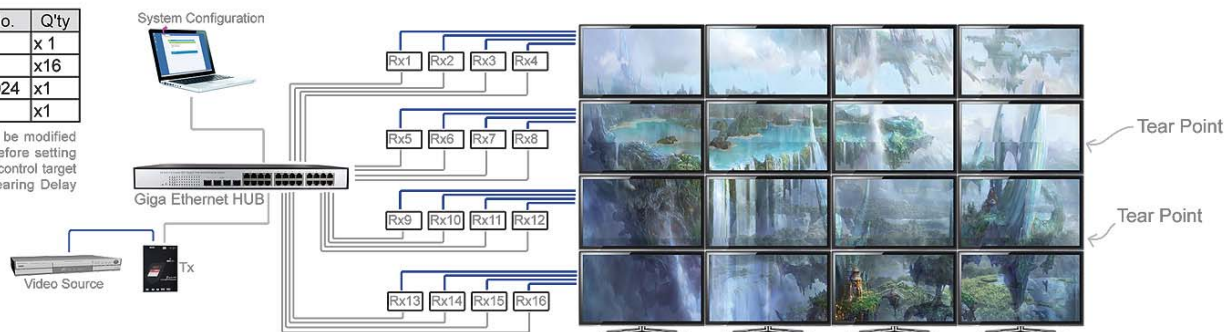
4 x 4 Screen Array system Installation - (Screen Tearing Free)

Description	Model No.	Q'ty
Tx	RVW130T	x 4
Rx	RVW130R	x16
Giga Hub	NHUB-G024	x1
4-Port Splitter	VSM-104	x1
HDMI Cable		x5
Optional		
4-Port Switch Splitter	VS3D-4104	x1
HDMI Cable		4+4

System Configuration

Tx1

4-Port Switch Splitter
Or
Video Source 4-Port Splitter

Tx2

Tx3

Tx4

Giga Ethernet HUB

Rx1a Rx1b Rx1c Rx1d

Rx2a Rx2b Rx2c Rx2d

Rx3a Rx3b Rx3c Rx3d

Rx4a Rx4b Rx4c Rx4d

CAT5 Cable
HDMI Cable