

# X-5 Multicast Distribution System for Digital Signage



Wireless Video Extender with Store-and-Play Feature

## Overview:

Our Multicast Distribution System (X-5) allows you to connect a video source to multiple displays. Unlike typical video extenders, X-5 can distribute Full HD video and audio wirelessly with IP based Multicast Technology.

- Powerful Video Distribution System to Extend and Split synchronized video and audio from one source to multiple receivers (up to 32 receivers wireless or virtually unlimited receivers wired)
- Smooth Full HD 1080p @ 30 FPS Video and Stereo Audio
- Play different contents on each receiver with new Store-and-Play feature
- Unique multicast digital technology eliminates signal degradation over long distances

## Digital Signage Applications:



Shopping / Retail



Hospital / Medical




Office / Education



Manufacturing / Warehouse

## Main Features:

- Supports full HD resolution (1920 x 1080)**  
 The X-5 system allows full HD 1080p resolution at 30 frames per second offering vivid full motion video.
 
- 802.11n Dual Band / Gigabit Ethernet**  
 By supporting Gigabit Ethernet for wired installations, or the 802.11n (2.4GHz/5GHz) high-speed wireless LAN standard, the system is able to deliver stable full HD video.
- Store-and-Play feature for playing different contents on each receiver**  
 Each receiver can also be used as a standalone digital signage player, and the contents can be updated over the network. This feature can also be used as fall back protection in case the video source is lost in multicast mode.
- Compact, lightweight and energy efficient design enables versatile installation options**  
 Space-saving design is smaller and lighter than typical media players and computers used for digital signage and has no fans or moving parts. It has a maximum power consumption of 10W making it an environmentally-friendly product.





**Multicast Distribution System for Digital Signage**

**Supported Resolutions:**

	Ratio	Digital	Analog
VGA (640 x 480)	4:3	○	○
480p (720 x 480)	4:3 / 16:9	○	○
SVGA (800 x 600)	4:3	○	○
XGA (1024 x 768)	4:3	○	○
720p (1280 x 720)	16:9	○	●
WXGA (1280 x 768)	15:9	○	●
FWXGA (1360 x 768)	16:9	○	●
SXGA (1280 x 1024)	5:4	○	●
WSXGA (1600 x 1024)	25:16	○	●
1080p (1920 x 1080)	16:9	○	●

- Analog format only supports HD modes using the Store-and-Play function.
- Analog connection requires a D-sub 15-pin DVI-I conversion adapter or cable.

**Software Options:**

- **SX Smart Manager software**  
The optional SX Smart Manager software allows robust and convenient setup and configuration of the X-5 system. SX-Smart Manager allows remote monitoring of the transmitter and receivers making maintenance easy.
- **Media Transporter content delivery software** allows "X-5R" to become a store and play media server. The software allows you to encode content, create play schedules, and send content to each receiver meaning each receiver can play different contents on a different schedule using the Store-and-Play function.

**Accessory Options**



**VESA Compliant Mounting Bracket**  
You can set it up on the back of a display or nearby the wall by using the optional mounting bracket.  
Part Number: 150-20122-100

**OEM Embedded X-5**



- OEM circuit boards for integration into a display and SDK solutions are also available. Please contact us for details.

**Technical Data:**

Product Name	Multicast Distribution System	
	Transmitter (X-5T)	Receiver (X-5R)
Video Interface	DVI-I (input)	DVI-I (output)
Supported Resolutions	See "Supported Resolutions Table" *Up to 1080p	
Frame Rate	Up to 30 fps	
Video Codec	JPEG XR	
Audio Interface	Φ3.5 mm Stereo mini (input)	Φ3.5 mm Stereo mini (output)
Ethernet Interface	Automatic detection 10BASE-T/100BASE-TX/1000BASE-T (RJ-45) x 1 port, Auto MDIX	
Radio Interface	IEEE 802.11 a/b/g/n (Using the SX-PCEAN wireless module made by silex)	
Security	WEP (64/128), WPA-PSK (AES / TKIP), WPA2-PSK (AES), SSID broadcast ON / OFF	
USB Interface	USB 2.0 x 1 Port <sup>1</sup>	
Push Button	Factory default settings	Factory settings, switch the transmitter
LED	PWR, STAT, WLAN, LAN	
Store-and-Play Function	✓	
Store-and-Play Feature Detail		
Supported Formats <sup>2</sup>	WMV, AVI, BMP, PNG, JPEG, WMA, WAV	
Repeat Playback	Play list	
USB Memory Playback	○	
Power	AC adapter 100-240V 50/60Hz (operating voltage: 5V)	
Regulatory Compliance	FCC, IC, VCCI Class A	
Power Consumption	Up to 10W	
Configuration Method	Web browser, SX-Smart Manager (optional)	
Physical Dimensions	W: 155 mm x D: 32 mm x H: 120 mm	
Weight (not including antenna)	About 270g	About 270g
Storage Environment Conditions	Storage Temperature: 0°C to 60°C Storage Humidity: 20% to 90% RH (non-condensing)	
Operating Environment Conditions	Operating Temperature: 0°C to 35°C Operating Humidity: 20% to 90% RH (non-condensing)	
Included Items	AC Adapter, Antenna x2, Warranty & GPL Sheet	

<sup>1</sup> The USB port on the transmitter is not supported and is for future use. USB receiver is compatible with Mass Storage Class.

<sup>2</sup> File formats can be converted by Media Transporter Software. Please refer to the table "Supported Resolutions". The sample rate of the audio is only 48 kHz. We do not guarantee the conversion of all files.

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