DSA-5110

Network Digital Signage Display

Features

- Built-in wide 10.2" TFT LCD with 800 x 480 resolution
- Compact size design with embedded stereo speaker
- Content-rich presentation: supports video & audio, graphics, and text
- Versatile networking methodologies: HTTP and DHCP
- Multiple display zones for maximum advertising efficiency
- Flexible scheduling capability
- Automatic Play-On-Power-Up
- Supports optional external CF card or embedded disk-on-module
- Excellent reliability: fanless design with built-in dispersion for low heat
- Supports optional external video and audio input

Introduction

The Advantech DSA-5110 Network Digital Signage Display comes with a 10.2" TFT LCD. It receives media content such as video, audio, graphics, and text via an IP network, then stores the content in its internal or external storage. The content is displayed according to either a pre-defined playlist or network commands. The DSA-5110 series features the most advanced decoder and graphic processor available. The DSA-5110 is an ideal network Digital Signage Display solution for advertising, presentations, training, and other media applications.

Specifications

Play Contents		
Video	MPEG-1, MPEG-2 MP @ ML up to 14Mbps, MPEG-4 ASP	
Audio	2 channels, MPEG-1 and MPEG-2 Layers I, II and III (MP3), 16-bit PCM, bit rate 384 kbps, sample rate up to 48 kHz	
Graphic	32-bit color with transparency BMP, JPEG	
Text Banner	Variable scrolling speed and position	
Playlist	Scheduling playback, endless loop playback, auto play after power on	
Input and Output Ports		
Video Output	DVI digital and analog	1 x VESA DVI-I connector, up to 800 x 480 @ 60 Hz
Audio Output	R / L channel analog	1 x Unbalanced stereo RCA jack
	Embedded Speaker	3 Watts Stereo
Network	10/100 Mbps	1 x RJ-45
Serial Port	RS-232C	1 x D-sub 9-pin (male)
USB	USB 2.0 Host	2 x USB type A
Network Protocol	Supports HTTP, DHCP	
Display		
Size	10.2" Wide (Diagonal)	
Resolution	800 RGB x 480 pixels (Wide-VGA)	
Number of Colors	262,144	
Surface Treatment	Anti-glare	
Contrast Ratio	400 (typ.)	
Brightness	400 nit (typ.)	
Viewing Angle	45/65/65/65° for U/D/L/R (typ.)	
System		
Storage	Internal flash memory disk (Disk-on-module)	
	Optional external CF card type I / II	
Dimensions (W x H x D)	256 x 195 x 52 mm (10.1" x 7.7" x 2.1")	
Net Weight	Approx. 2.9 kg	
Power Supply	DC 12V input	
Operating Temperature	0 ~ 40° C, Humidity 5 – 85% @ 40° C	

Benefits

Rich Content Presentation & Maximum Advertising Efficiency

Advantech's DSA-5110 Digital Signage solution supports MPEG 1/2/4, DivX 5, MP3 and other formats for video & audio, and JPEG and BMP formats for graphics. Scrolling text displays multiple languages. Advantech offers user-definable layout templates with up to 7 zones of display to deliver maximized advertising efficiency for our customers. Insertion of live events and queuing numbers are supported with versatile messaging functions.
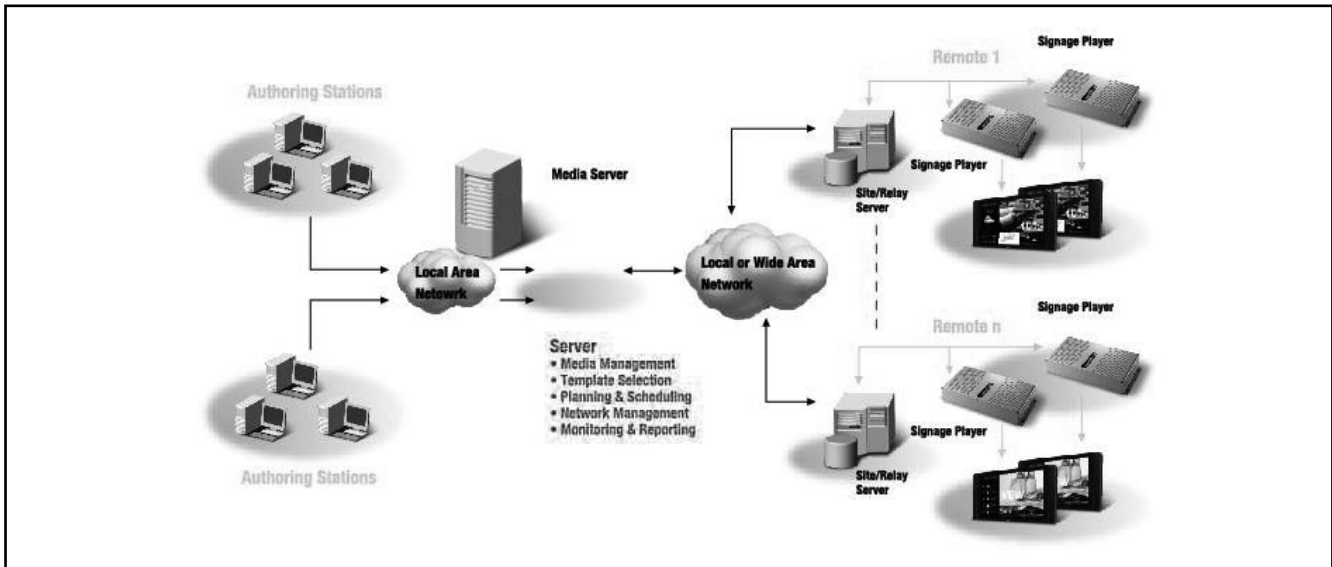
Compact Size with High Performance Display

The DSA-5110 comes with a built-in 10.2" TFT wide LCD, and a pair of high-fidelity stereo speakers. With 256 x 195 mm compact dimension, it provides versatile input and output functions that offer users and developers the best performance and convenience.

Optimized Internal Storage Utilization and Content Management

The DSA-5110 is equipped with an internal Disk-on-Module or optional external CF card. It offers flexible storage space with optimum utilization. Playback, operation, and transmission logs and reports are available to support client billing and error tracking.

System Configuration

Ordering Information

Part Number	Descriptions
DSA-5110	10.2" Network Digital Signage Display