



Product Catalog



Digital signage / POS / Video Wall controller

www.indstech.com



萬視旺科技
iNDS Technology, Inc.

iNDS Company Profile

iNDS (innovative Network Digital Signage) Technology Inc is devoted to digital marketing. The primary focus is on digital content displays and management systems for remote display installations. With advanced hardware and a dedicated software development team, digital signage deployments can be tailored to fit even the most complex requirements. Our customer support and sales teams are on hand to help find the best combination of products for any project.

iNDS began life well before formal establishment as a company in March 2010. The initial stages involved a team from ICP Group focusing on digital signage, point of sale systems and image computing systems. Soon after this initial phase the project became an independent department of IEI Technology Corp. The move to IEI boosted the brand recognition and allowed further development of digital signage and point of sales. During this time there was also significant investment in a series of video boxes specifically designed for video wall installations.

iNDS is headed by Teddy Kuo and comprises a professional management team that oversees daily operations. The company organization consists of the following departments

- Business Development
- Research and Development
- Product
- Product Marketing and Application
- Operating

The new iNDS team consists almost entirely of members of the original team. The team continues to be a major strength and driving factor pushing iNDS into new and exciting technologies.



ICP GROUP
威達電集團

Products and Services

iNDS is focused specifically on digital signage related hardware and software. Hardware and software are both customized to provide the best combined display and imaging products available. The range includes the following products.

- Digital signage displays (monitor only)
- Digital signage panel PCs (RISC or x86)
- Digital signage standalone players (RISC or x86)
- Multi-screen systems
- Video wall controller

The aim of iNDS is to develop an integrated digital display system using a combination of available technologies. Our core strength is the ability to develop hardware using the latest technologies and customize software to specific requirements.



Environmental Protection Policies

Environmental protection and compliance with environmental policies is a top priority for iNDS. In addition to being RoHS compliant, all iNDS products comply with the relevant European Union environmental protection laws.



Quality Assurance

As a member of ICP group, all iNDS products are rigorously tested in the quality assurance and compliance laboratory at ICP. Extensive investment has been made into developing rigorous quality assurance and compliance testing procedures and facilities. Ten quality assurance and compliance tests ensure you receive a durable product that can withstand the harsh operational environments to which digital signage is exposed.



Temperature Testing



ESD Testing



Vibration Testing



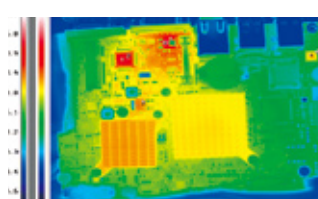
Power Consumption Testing



IP65 Testing



Drop Testing



Thermal Testing



Safety Testing

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iSignager-AdExpress

Quick Design!

Easy Setup!

Web Management!

The iSignager-AdExpress is a quick and easy content layout design and playing arranging software. AdExpress allows users to insert the images and videos in the "content zone", and allows to add one banner zone of the display. It is suitable for customers who wants to save the designing and management time for Digital Signage.

Web-base Management Interface



iSignager AdExpress for Frame supports web-base management interface. It allows user remote access to a particular player and change the settings. Via the web interface, AdExpress supports the functions:

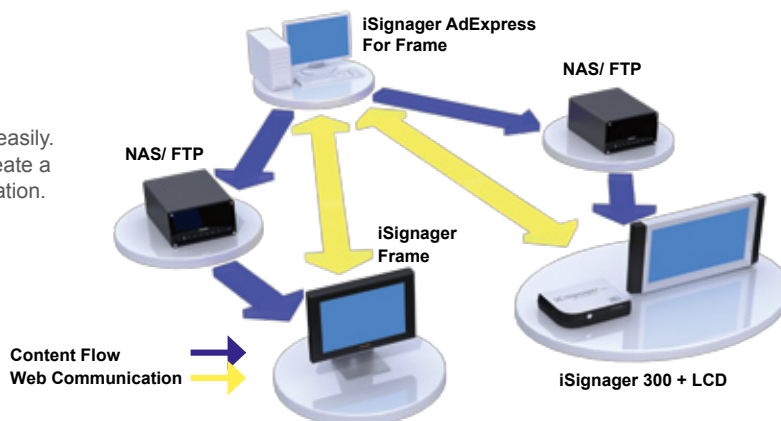


- Device Setting (includes display setting, NAS setting, etc)
- Content Auto-download
- Player LAN Setting
- Player WiFi Setting
- Player Security Setting
- Player Time Setting

Background Music



You can add background music easily. The background function can create a great scenario of signage application.

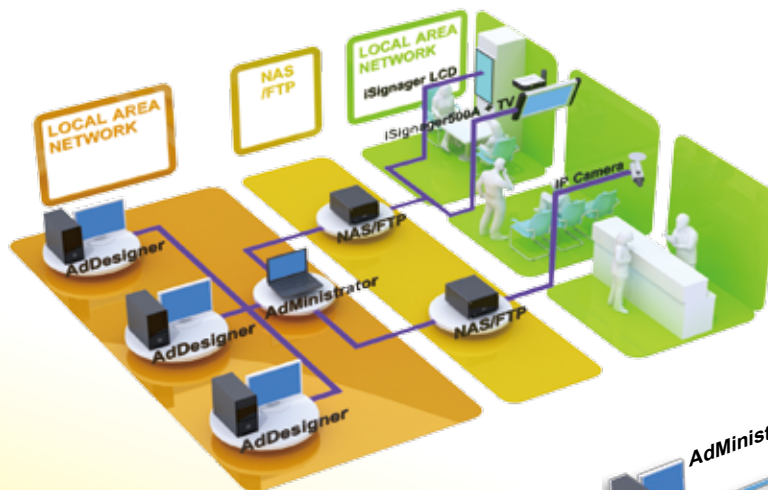




iSignager- Total Solution Provider of Digital Signage

Software

- Light and Easy- iSignage AdExpress
- Layout Designer-iSignager AdDesign
- Network Management-iSignager AdMinistrator



Full Range HardWare

- Easy RISC Based

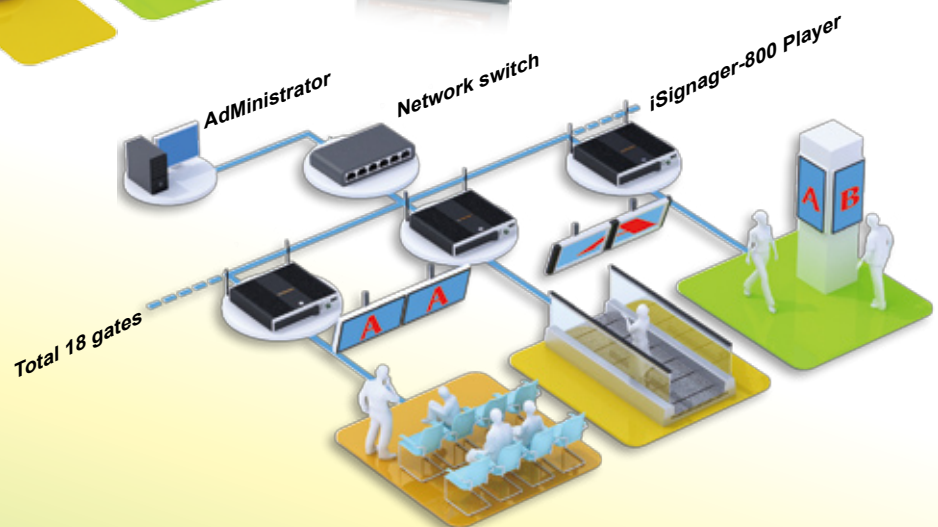


- Full HD RISC Based

- X86 Based



- All in One



Contents arranging and transferring



Fixed template with a pictures/ video zone and a banner zone



iSignager AdExpress provides fixed template and one page designing interface. It let you save time for signage layout design and schedule updating.



Zone Type	Zone No.	Zone Format	Content Format
Picture/ Video	1	Picture	32-bit color with JPEG
		Video	MPEG-1, MPEG-4 ASP@L5, and other popular video format
Banner	1	Banner	Variable scrolling and crawling speed, 4 positions for selection Support picture banner with PNG
Audio	x	MPEG-1 and MPEG-2 Layers I, II and III standard, MPEG-4 AAC-LC, and other popular audio format	

Media format supported by iSignager AdExpress

Applications



Meeting information



Digital Welcome Board

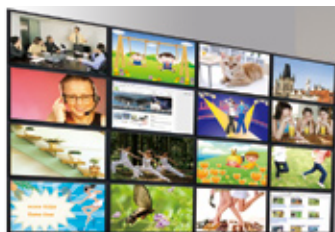


Chain stores Music Playback Control



Product promotion

iSignager-AdDesign



The iSignager AdDesign is the advanced content design software. Different from the AdExpress, users can personalize the display layout with iSignager AdDesign

Key Functions



Multiple Zones Display

iSignager AdDesign supports multiple media zones display simultaneously on one layout, including pictures, video, banners flash and Html files. Besides this you can add background picture and music. For more , some of iSignager models can display PDF or some other document formats.



Content Preview

With Microsoft .Net Framework V3.5 installed in your PC, you can easily preview the layout on the iSignager AdDesign Users can modify the content immediately if they are not satisfied after preview.

Zone Type	Presentation Mode	Content Format
Picture	Still, Push Left, Push Right, Push Top, Push Down	32-bit color with BMP, GIF, PNG, JPEG
Banner	Roll or Crawl	Variable scrolling and crawling speed, any position Transparent banner background color (PNG, BMP)
Video	Any resolution as Hardware supported	Video: MPEG-1, MPEG-4 ASP@L5, Flash* and other popular video format
Digital /Analog* Clock	Seconds, am/pm, 12/24 hour clock	Choice of size, color
Html	Any size	Microsoft IE 6.0 compatible is recommended
Audio	MPEG-1 and MPEG-2 Layers I, II and III standard, MPEG-4 AAC-LC, WMA, and other popular audio format	

* For version 4.X only



Template Layout

Under iSignager AdDesign, upon you have done your new layout design, you can save it as a Template. In next time , you can apply a new project from your template. If you are an digital signage operating company, this function will help you saving a lots of time and getting more projects.



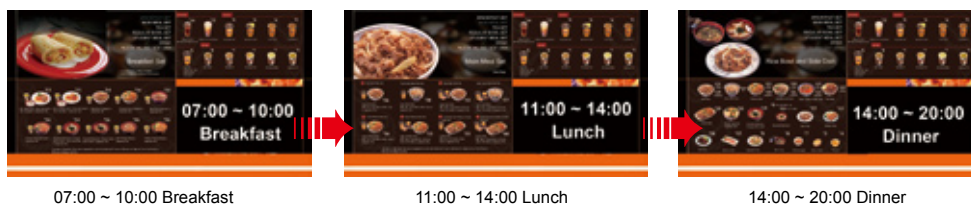
Intuitive Drag and Drop Layout Design

The iSignager AdDesign layout interface allows users to arrange multiple media zones in a few seconds simply by drag-and-drop.



24-hour Scheduling Arrangement

The flexible scheduling system by iSignager AdDesign empowers diversified and versatile promotion campaigns. The specific information can be presented to target audience in specific time slots to enhance the promotion.



07:00 ~ 10:00 Breakfast

11:00 ~ 14:00 Lunch

14:00 ~ 20:00 Dinner

Advance Content Layout Designer



Web Console

Yes, you can manage your iSignager Player from anywhere via network. From any internet explorer, typing the IP address of iSignager player which you want to manage. And then input your login name and password, you will be able to adjust hardware setting and get information of the player.



Interactive Interface

iSignager AdDesign support flash and Html files display. And the users can use a interactive devices such as touch screen or a mouse to control the contents. You can apply it as information board or KIOSK in a shopping mall or Public Department.

Multi Screens-Video Wall Solution

iSignager AdDesign can create dynamic content composed of photos, videos and banners while VWBOX series player broadcasts the content on the display wall. Combining iSignager player with VWBOX brings the synergy to your video wall solution.



Live Video input

iSignager AdDesign support live video signal as displaying source. So you can connect an additional video device to a iSignager player. And do the setting under AdDesign, then you will see the live video signal is showed on your iSignager player.



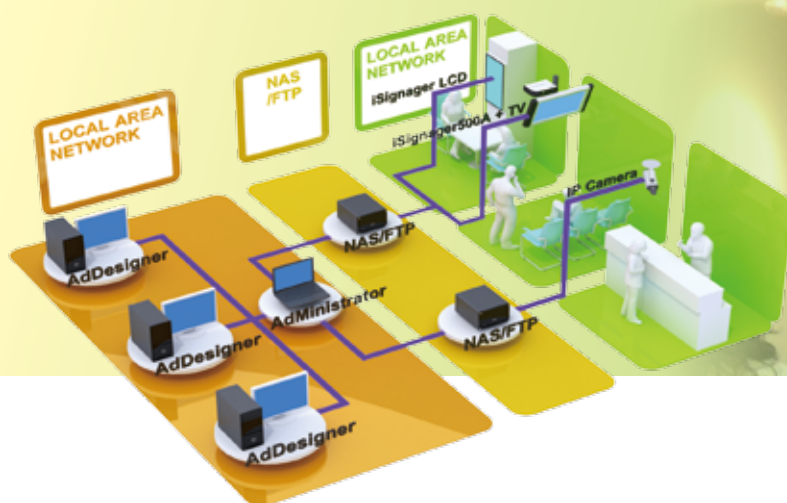
Functions Table

In Year 2009, iNDS released iSignager X86 solution and came with new version of AdDesign. But we still provide and improve the version for RISC based solution, for your understanding, here is a table that compared 2 versions of iSignager AdDesign.

	AdDesign V3.X	AdDesign V4.X
Multiple Media Zones Display	√ Limited of Numbers	√
Flash / HTML / PDF	X	√
DOCUMENT File Formats Supported	X	√
Preview	√	√
Template Layout	X	√
24-hour Scheduling	√	√
Interactive Interface	X	√
Web Console	√	√
Live Video In	√	√
Multi screens layout	X	√
Network content update	√	√
RISC BASED Player Supported	√	√
x86 BASED Player Supported	X	√

iSignager-AdMinistrator

iSignager AdMinistrator is the most advanced management software for a large quantity digital signage projects installation. iSignager AdMinistrator software focus more on the management functions in order to help the large digital signage project controlling. It enhances the group management, scheduling, content updates function and introduce the value-added functions to enhance the user's experience.



Basic Functions



Support FTP

iSignager-AdMinistrator supports FTP function and makes cost-effective load balance for the large scale digital signage network by using NAS/ FTP server instead of increasing no. of management server.

Data Center

- ▶ File Server
- ▶ FTP Server
- ▶ Sharing files across Windows and Mac



Backup Solution

- ▶ Backup Server
- ▶ RAID-1 Mirroring
- ▶ Remote Replication



IP Camera

- ▶ Support video recording
- ▶ Monitor audience feedbacks
- ▶ Monitor player status



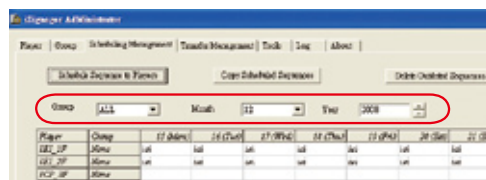
Player Groups Management

For easy manage large quantity digital signage players, iSignager AdMinistrator helps you to assign the players into groups for easy-management and controls.



Pre-schedule the sequence on a Week/ Month/ Year base

If you have known your displaying plan, you can pre-schedule via Scheduling Management under iSignager AdMinistrator software. You can choice the year, month and day under calendar user interface.



Log Report

Log management supports output CVS file format for easy custom-made report. FTP Log records the communication between the player and the FTP side, including content loading, Log data updates, etc. Player Log shows the detail information about a particular displaying file, for example a video. The information includes the display date, the start time, the end time and the playing duration.



Breaking News/ RSS Message Support

Whenever there is breaking news, urgent information, or the latest promotion advertisement, iSignager AdMinistrator V4.x make it easy to insert and update the breaking news/ RSS message immediately on your digital signage display.



System Management Software



AdMinistrator Advance Functions



Remote Monitoring

iSignager AdMinistrator allows the users to monitor and check iSignager players Status such as content displaying , network setting ..etc via remote network

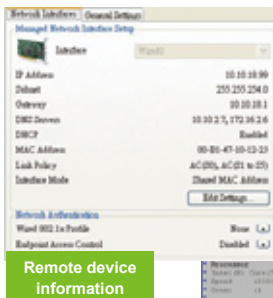


User Account

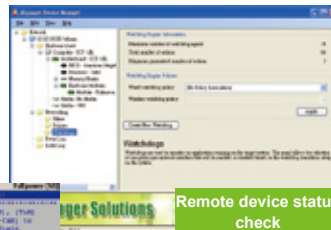
Account setting let you create login name and password. If you have many groups to manage different iSignager system, this function will help you to sent right person to maintain right system. And it is also possible let your customer to control system by themselves

Intel® AMT 6.0 supported functions

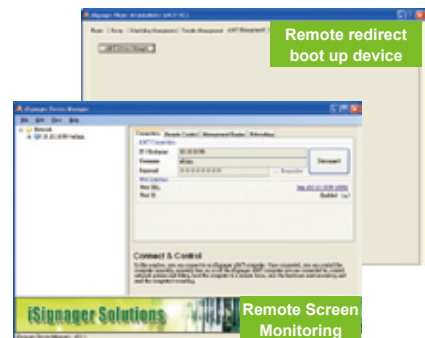
As one of the leader of digital signage developers, iSignager AdMinistrator is ready to provide Intel® AMT solution, the features as following:



Remote device information

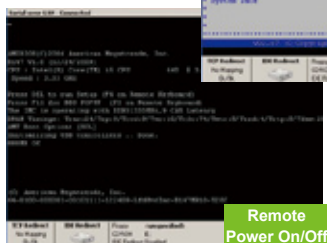


Remote device status check



Remote redirect boot up device

Remote Screen Monitoring



Remote BIOS upgrade

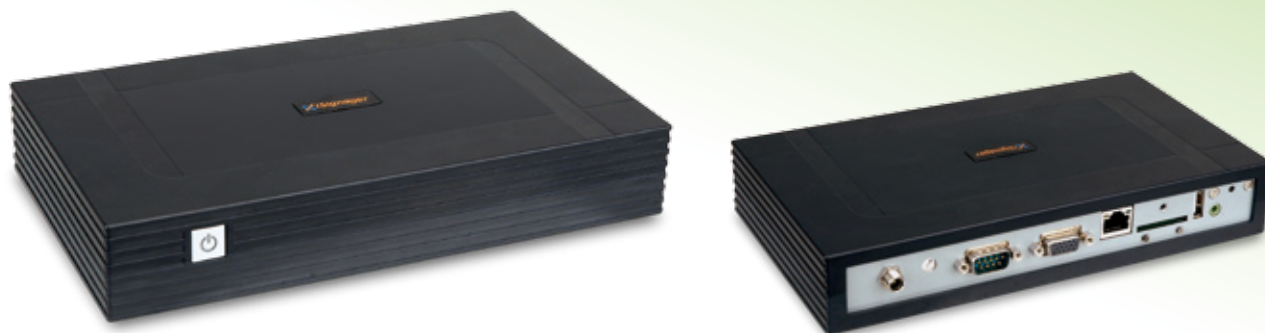
- *Remote Scan Players
- *Remote Power On/Off
- *Remote redirect boot up device
- *Remote device status check
- *Remote device information
- *Remote BIOS upgrade
- *Remote BIOS Login
- *Remote Screen Monitoring

AdMinistrator Functions Table

As AdDesign, we released iSignager X86 solution in Year 2009, and we also have new version of AdMinistrator software. Please see the compare table for your reference.

	AdMinistrator V3.X	AdMinistrator V4.X
Player Groups Management	√	√
Pre-schedule the sequence	√	√
Log Report	√	√
Breaking News/ RSS Message Support	√	√
Support FTP	√	√
Remote Monitoring	X	√
User Account	X	√
Intel® AMT 6.0 supported	X	√
Group Network content update	√	√
RISC BASED Player Supported	√	√
x86 BASED Player Supported	X	√

iSignager-300 Player SD (1366x768) Output



Features

- Fanless and compact size design box
- Allow auto-scale output content 720 x 480 up to max. 1366 x 768
- Fix template with one picture/video zone and one crawl or scrolling banner
- Remote update content or management via LAN or Wireless LAN
- Use SD Memory Card as the storage device
- Free bundle iSignager AdExpress for Frame software

iSignager-AdExpress

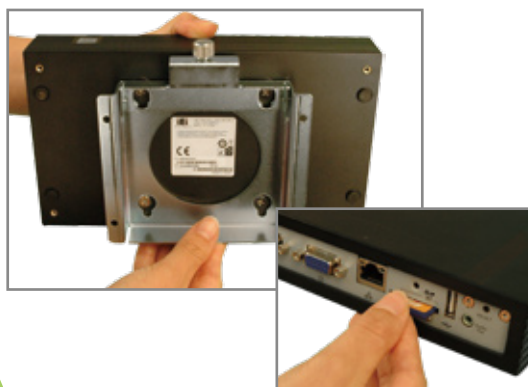


Specifications

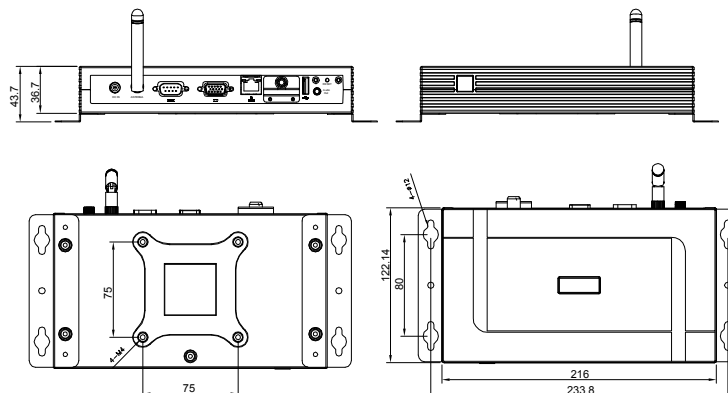
Model		ISIGNAGER-300-R10	ISIGNAGER-300WL-R10
Video Input	Composite	N/A	
	DVI	N/A	
	Analog VGA	D-sub 1-pin, up to 720 x 480	
	S-Video	N/A	
Video Output	Composite	N/A	
	Audio Input	N/A	
Audio Output		N/A	
LAN		1 x 10/100mBase-T	
Wireless		N/A	802.11b/g wireless
USB		1 x USB	
RS-232		1 x RS-232	
HDD Drive Bay		N/A	
SSD Drive Bay		1 x SD Memory Card Spec. 2.0 Slot	
Construction Material		ABS+ PC Plastic	
Dimensions		216 x 123 x 37 mm	
Mounting		VESA 75/ 100	
Power Input		12VDC power adapter, 90VAC~240VAC input @5~60Hz, 36W	
Power Consumption		8W	
Operation Temperature		0°C~50°C	
Net Weight		0.8Kg	
EMC/Safety		CE, FCC, UL	

Wall-Mount Solution

iSignager-300 has optional VESA 75 and 100 mounting standard. It is easy to mount on wall using the VESA 75 or 100 mount kit.

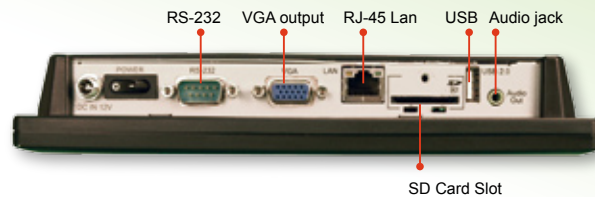


Dimensions (Unit: mm)



iSignager-Frame

SOC RISC Based All In One Player



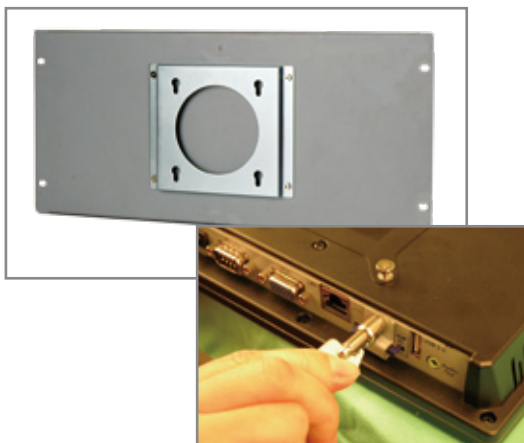
Features

- Small size (7", 8", 10" and 15") all-in-one RISC-based display, the ideal models for space-saving digital signage application
- Built-in LAN for remote control and access
- Use SD Memory Card as the Storage device
- Supported software iSignager AdExpress offers fixed template content, including 1 x picture/video zone, 1 x crawl banner and 1 x digital clock
- Available for barcode scanner or motion sensor connecting

iSignager-AdExpress



Wall-Mount Solution



Specifications

Model	ISIGNAGER-FRAME-W07	ISIGNAGER-FRAME-08	ISIGNAGER-FRAME-W10	ISIGNAGER-FRAME-W15
LCD Size	7" (Wide Screen)	8"	10.2" (Wide Screen)	15.6" (Wide Screen)
Max Resolution	800x480	800x600	1024x600	1366x768
Lan	1 x 10/100m Base-T			
Wireless Lan	1 x 802.11 b/g			
Storage	1 x SD Memory Card Spec. 2.0			
Software	iSignager AdExpress			



iSignager-Frame Series is a small size all-in-one digital signage display. The 7", 8", 10" & 15" size display is ideal for space-saving applications, such as the retail goods shelf, the price checker, the personal entertainment device on the bus or train, etc. In addition they support iSignager AdExpress is an easy-to-use content build-up software. Just a few minutes, you can easily create your own attractive advertisements.

iSignager-500A/510H Player

iSignager 500A/510H is the RISC-based digital signage player solution. iSignager-500A/510H player allows content display up to 1920 x 1200 on the external display devices such as LCD TV, Plasma TV, CRT TV, monitors and projectors. With the iSignager AdDesign software, your personalized content can be displayed to your target audience at any place.



Features

- RISC-based architecture provides high stability and low power consumption.
- Fanless design, low noise.
- Content stored in CompactFlash disk or 2.5" IDE HDD
- Ability to connect display on full resolutions via outputs S-video, DVI, VGA and composite
- Support Full HD (1080i/p) contents up to 1920 x 1200
- Support live video input
- Network management and remote update contents via LAN or Wireless LAN

iSignager-AdMinistrator



HDMI
For 510H only

Support RJ-45 Lan and 802.11 b/g wireless lan

iSignager 500A/510H is equipped with RJ-45 LAN connector and wireless LAN that allow users to update content remotely with iSignager software. Web interface, under iSignager software, is provided for users to update player setting, reboot the player and check the player information such as player name, display device/ resolution, network setting, etc. That is easy to change and update the setting and contents, even the player is uneasy to reach.



LAN or Wireless LAN



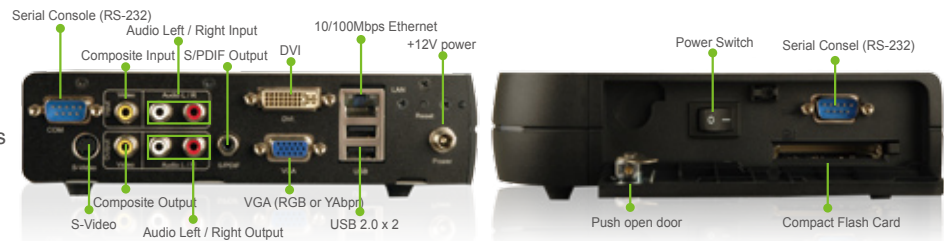
Live Video-In !!



The iSignager-500A/510H has Video in and L/R audio in RCA connectors. Let you input signal from TV program, surveillance camera or DVR.

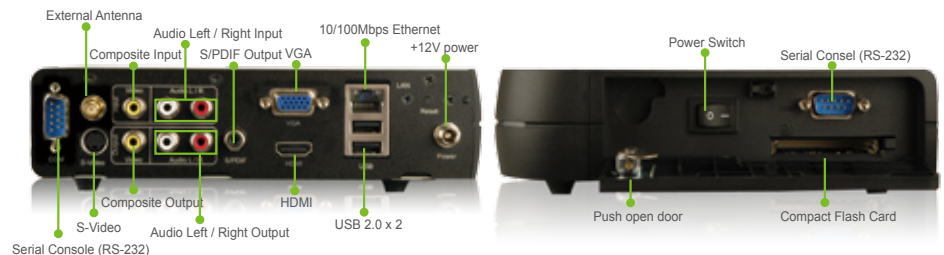
iSignager 500A

perfectly matches all kinds of displays via DVI, S-Video, VGA, Composite outputs.



iSignager 510H

perfectly matches all kinds of display via HDMI, S-Video, VGA and Composite outputs



Supported Video Output Resolutions

Output Port	Output Mode	Resolution	Support Models	
			iSignager-500A	iSignager-510H
DVI	DVI	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200	√	
	HDMI	480p (720x480), 720p (1280x720), 1080i (920x1080), 1080p (1920x1080)		√
VGA	VGA	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200	√	√
	YPbPr	480p (720x480), 720p (1280x720), 1080i (920x1080), 1080p (1920x1080)	√	√
S-Video	TV	640x480 (NTSC_M), 720x480 (PAL_M)	√	√
Composite RCA	TV	640x480 (NTSC_M), 720x480 (PAL_M)	√	√
Onboard LVDS	TV	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200	√	√
HDMI	HDMI	480p (720x480), 720p (1280x720), 1080i (920x1080), 1080p (1920x1080)		√

Models and Specification

Model		iSignager-500A-R10	iSignager-500AWL-R10	iSignager-510H-R10	iSignager-510HWL-R10
Video Input	Composite	RCA x 1		RCA x 1	
	DVI / HDMI	VESA DVI-I connector x 1, up to 1920 x 1080 p @ 60Hz with the H/W scaler		VESA HDMI connector x 1, up to 1920 x 1080 p @ 60Hz with the H/W scaler	
Video Output	Analog VGA	D-sub 1-pin, up to 1920 x 1200		D-sub 1-pin, up to 1920 x 1200	
	S-Video	Mini-DIN 4 pin connector x 1		Mini-DIN 4 pin connector x 1	
	Composite	RCA x 1		RCA x 1	
Audio Input		Unbalanced stereo RCA jack x 2		Unbalanced stereo RCA jack x 2	
Audio Output		Unbalanced stereo RCA jack x 2, S/PDIF x1		Unbalanced stereo RCA jack x 2, S/PDIF x1	
LAN		RJ-45 x 1		RJ-45 x 1	
Wireless		N/A	802.11b/g wireless	N/A	802.11b/g wireless
USB		USB A-type Connector x 2		USB A-type Connector x 2	
RS-232		2 x RS-232		1 x RS-232	
HDD Drive Bay		2.5" IDE HDD bay		2.5" IDE HDD bay	
SSD Drive Bay		1 x CF Type II slot		1 x CF Type II slot	
Construction Material		ABS+ PC Plastic (front panel) Heavy duty steel		ABS+ PC Plastic (front panel) Heavy duty steel	
Dimensions		187.2 x 133.7 x 46 mm		187.2 x 133.7 x 46 mm	
Mounting		VESA 75 & 100		VESA 75 & 100	
Power Input		12VDC power adapter, 90VAC~240VAC input @5~60Hz, 45W		12VDC power adapter, 90VAC~240VAC input @5~60Hz, 45W	
Power Consumption		8W		8W	
Operation Temperature		0°C~50°C		0°C~50°C	
Net Weight		1.2 KGS		1.2 KGS	
EMC/Safety		CE, FCC, UL		CE, FCC, UL	

iSignager-LCD Series

RISC BASED Full HD Content All-in-one Player

iSignager LCD Series is the RISC-base all-in-one digital signage display. iSignager-LCD series offers wide range LCD with sizes from 10", 15", 17", 19" to meet any different digital signage applications.



Features

- RISC-based All-in-one digital signage display
- Fanless design with low noise.
- Content stored in CompactFlash disk or 2.5" IDE HDD
- Network management and remote update content via LAN or Wireless LAN
- IP 64 waterproof and dustproof Front Panel
- The same content extend to the second display with auto-scaling up to 1920 x 1200 (for iSignager-LCD Series only)

iSignager-AdMinistrator

iSignager-AdDesign



Same Content Extend to the Second Display

The iSignager-LCD series also have Video in and L/R audio in RCA connectors for your applications

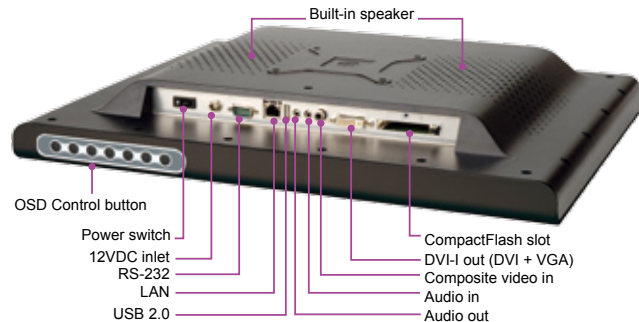
- Output to second display device by DVI & VGA
- Supports up to 1920 x 1200 content resolution for a second display device



Live Video-In !!



iSignager-LCD Series



Models and Specification

Model		iSignager-LCD-15	iSignager-LCD-15S	iSignager-LCD-19	iSignager-LCD-19S	iSignager- LCD-W19S
LCD	LCD Size	15"	15"	19"	19"	19"
	Max Resolution	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024	1440 x 900
	Brightness (cd/m²)	350	350	300	300	300
	Contrast Ratio	400:1	400:1	800:1	800:1	1000:1
	LCD Color	262K	262K	16.7M	16.7M	16.7M
	Pixel Pitch (mm)	0.297 (H) x 0.297 (V)		0.294 (H) x 0.294 (V)		0.285 (H) x 0.285 (V)
	Viewing Angle (H-V)	120 / 100		160 / 160		170 / 160
	Backlight MTBF	5000		5000		40000
	OSD function	7 KEYS	5 KEYS	7 KEYS	5 KEYS	5 KEYS
	Auto Dimming	Ambient Light Sensor	N/A	Ambient Light Sensor	N/A	N/A
	Second Display	1 x DVI-I (DVI+VGA)	N/A	1 x DVI-I (DVI+VGA)	N/A	N/A
I/O Interface	Video In/ Audio In	1 x RCA fpr composite video in 1 x 3.5mm phone jack for audio in				
	USB	1 x USB 2.0				
	Ethernet	1 x 10/100mBase-T				
	Wireless	Optional 802.11 b/g wireless		Optional 802.11 b/g wireless		
	Serial Port					
	Audio out	built-in 1.5W+ 1.5W AMP speaker 1 x 3.5mm audio phone jack		built-in 3W+ 3W AMP speaker 1 x 3.5mm audio phone jack		
	Remote Control	Panel on/off Volume Control Brightness Contrast	Panel on/off Volume Control Brightness	Panel on/off Volume Control Brightness Contrast	Panel on/off Volume Control Brightness	Panel on/off Volume Control Brightness
Storage	HDD Drive Bay	2.5" IDE HDD bay				
	SSD Drive Bay	1 x CF Type II slot				
Power	Input Voltage	12VDC in				
	Power adapter	60W ACDC Power Adapter, 90VAC~240VAC @50~60Hz input				
	Consumption	27W	27W	42W	42W	42W
LED Function		1 x Power ON/OFF LED on the front panel				
Operation Temperature		0°C~50°C				
Dimensions (WxLxD) (mm)		393 x 308 x 61		470 x 383 x 67		475 x 332 x 65
Net Weight		3.2 KG		4.4 KG		4.8 KG
Front Panel Protection		IP64				
EMC / Safety		CE, FCC, UL				

iSignager-800 X86 Based Player

iSignager-800 is the x86-based digital signage player. iSignager-800 has great thermal design for 24/7 long hours running for digital signage application. iSignager-800 with built-in with Intel® Atom™ N270 processor makes a low power consumption but high performance player. The iSignager-800 is capable to connect to various display device via HDMI, S-Video, VGA and component output. With the iSignager AdMinistrator V4.0 software, you can easily create multi-zone display contents.



Features

- Great thermal design with Intel® Atom™ N270 processor
- Fanless and slim design
- Built-in VGA/ HDMI/ S-Video/ component connectors suitable for various display devices
- Support 2.5" SATA HDD, CF card and SD card as the storage devices
- Built-in IR remote controller for player setting (Start Up, Shut Down, Reset)
- Built-in mini PCIe slot for extension
- Built-in LAN or Wireless LAN for remote communication

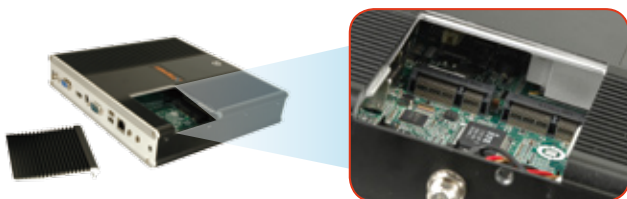
iSignager-AdMinistrator



HDMI

Output video resolution

Output Port	Output Mode	Resolution
HDMI	DVI	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200
	HDMI	480p(720x480), 720p(1280x720), 1080i(1920x1080), 1080p(1920x1080)
VGA	VGA	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200
S-Video	TV	640x480 (NTSC_M), 720x480 (PAL_M)

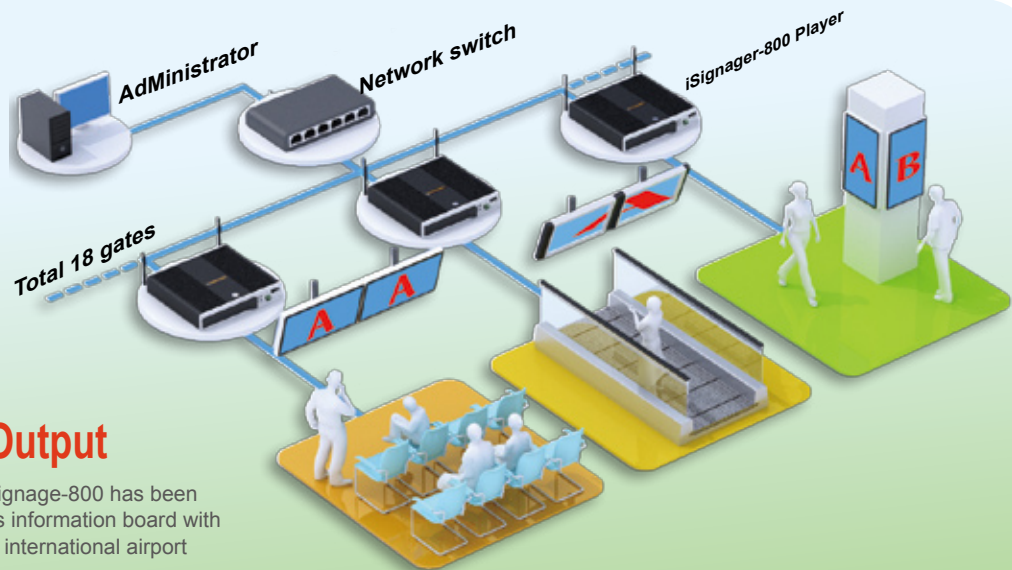
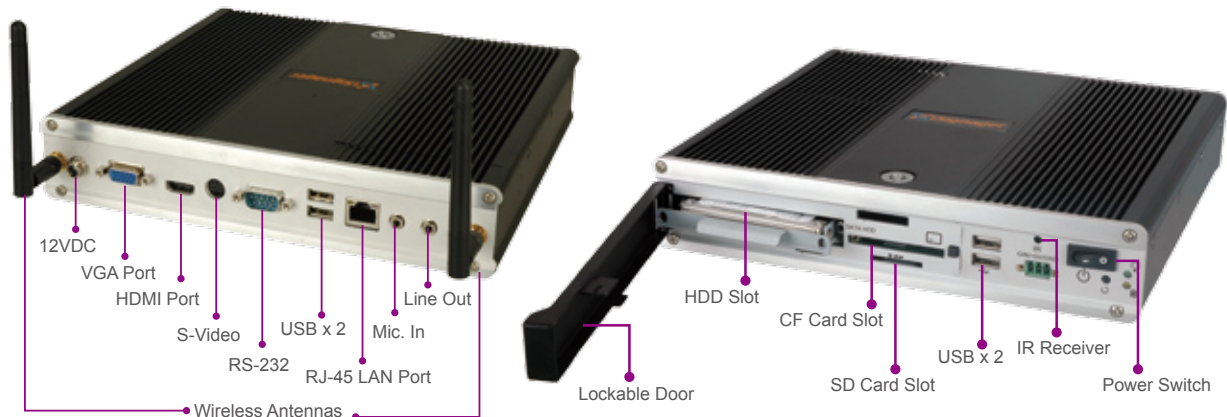


2x mini PCIe slot for extension applications
(one has been reserved by wireless card)

Multiple Storage Devices Available with lockable Door

An integrated door lock is used to keep the data storage device from being lost.





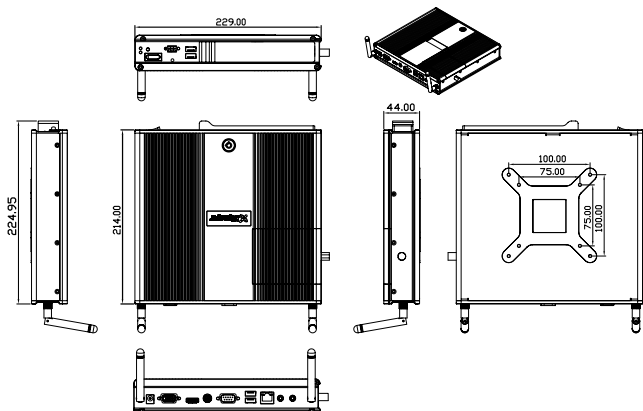
Dual Video Output

Here is an example, iSignage-800 has been used for airport flight as information board with dual video output at an international airport

Specification

Model Name		ISIGNAGER-800WL-N270/1GB/160G-R10
CPU		Intel® Atom™ 1.6GHz/ 512KB L2 cache Processor N270
Chipset		Intel® 945GSE + ICH7M
Memory		Built-in 1GB DDR2 memorySystem support 1 x 240pin Dual Channel DDR2 400/533 MHz up to 2GB
Storage		1 x 2.5" SATA HDD slot / 1 x CF Type II slot / 1 x SD Card slot
OS		Built-in Windows Embedded XP Standard OS in one 4GB CF card
I/O	USB	2 x USB 2.0 on front pane / 2 x USB 2.0 on rear panel
	COM	1 x RS-232 Port
	Video Output	1 x VGA / 1 x HDMI / 1 x 7 Pin for S-Video & Component
	Audio	1 x Mic in, 1 x Line Out
	LAN	1 x 10/100mBase-T
Wireless		802.11 b/g wireless
Power		12VDC in
Mounting		VESA 75/ 100
IR Type		1 x external IR by USB
EMC/ Safety		CE/FCC

Dimensions (Unit: mm)



iSignager-280 X86 Based Player

iSignager-280 is an entry level x86 based digital signage player. And its compact size and fanless design makes it very flexible for applications with limited space. With double side VESA75 mount kit, iSignager-280 can be installed between display stands and display monitor. Its quiet fanless operation is also ideal for environment which is noise sensitive such as museums and libraries.



Features

- Great thermal design with VIA® Eden™ ULV 1GHz
- Fanless and compact design
- VGA output only, up to 1080i
- Support SATA Dom, CF card as the storage devices
- Built-in mini PCIe slot for wireless card
- Support MPEG2, WMV9/VC1 decoding
- Available for one Video, one picture and one banner displaying

iSignager-AdMinistrator iSignager-AdDesign



Library



Museum



Multimedia player



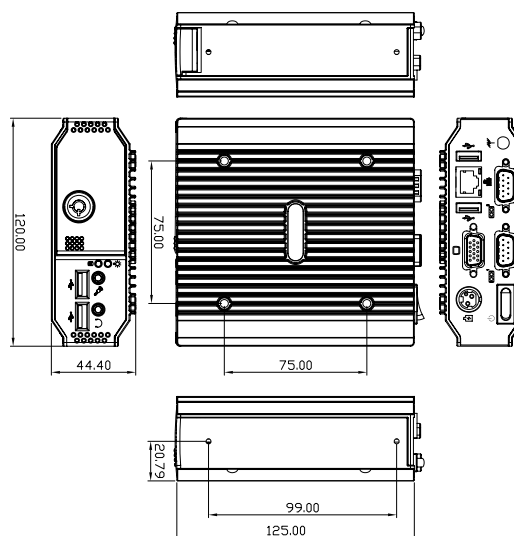
On shelf promotion



Specifications

Model	ISIGNAGER-280-R10	ISIGNAGER-280WL-R10
Processor	VIA® Eden™ ULV 1GHz/	
Chipset	VIA VX800	
System Memory	1GB DDR2 onboard memory	
Ethernet	RJ-45 10/100	
Display	1 x VGA	
USB	4 x USB	
Serial port	2 x RS-232	
Audio	1 x mic in, 1 x speaker out	
Wireless (optional)	N/A	802.11b/g mini PCIe module
Storage Device	1 x CompactFlash Type II slot & 1 x SATA DOM	
Power Input	5VDC in, with 17W power adaptor	
Operation temp.	0°C ~ 50°C	
System power consumption	15 W	
Weight (Net/ Gross)	480g/1.5kg	
EMC/Safety	CE, FCC class A, CCC, UL	

Dimensions (Unit: mm)



iSignager-1000 X86 Based Player

iSignager-1000 series is the x86-based digital signage player for multiple display and Video Wall. iSignager-1000 series player has built-in high performance processor that allows numerous multimedia to be displayed simultaneously. iSignager-1000 series player can integrate with the iNDS VWBOX to enhance the digital signage solution to a higher level. With the bundled iSignager AdMinistrator V4.0 software, user can easily design the multi-zone contents.



Features

- Use Intel® Core™2 Duo, Core™2 Quad processor
- Support 2.5" HDD, CF card as the storage devices
- Built-in LAN or Wireless LAN for remote communication
- Must be purchased with the iSignager AdMinistrator V4.x Box
- Multiple media zone display
- Multiple media format support, including flash, picture, video, html, text/ photo banner, and audio
- Support multi format content display in one media block
- Content preview function

Specifications

Model Name	ISIGNAGER-1000-Q354/E8400/2GB/320G-R10	ISIGNAGER-1000-Q354/Q9400/2GB/320G-R10
Chassis Design	Desktop	Desktop
Processor	Intel® Core™ 2 Duo 3.0Ghz/6MB L2 cache Processor E8400	Intel® Core™ 2 Quad 2.66Ghz/6MB L2 cache Processor Q9400
Chipset	Intel® Q35 + ICH9DO	Intel® 945G + ICH7
Memory	Two 240 pin 400/533/667 MHz dual channel DDR2 supported (System max. 4GB, built-in 1GB)	Two 240 pin 400/533/667 MHz dual channel DDR2 supported (System max. 4GB, built-in 1GB)
Display	Integrated in 945G	Integrated in 945G, with one VGA port
Ethernet	2 x GbE with RJ-45	2 x GbE with RJ-45
Wireless	N/A	802.11 b/g wireless
Connector	2 x USB 2.0 at front 4 x USB 2.0 at rear	8 x USB 2.0 5 x RS-232 1 x RS-232/422/485
HDD	2 x SATA HDD, built-in 320 GB 2.5" HDD	1 x 3.5" HDD Slot (internal) 1 x 3.5" HDD Slot (external)

iSignager-AdMinistrator iSignager-AdDesign



Digital Signage Video Wall Solution

iSignager digital signage player creates dynamic content composed of photos, videos and banners while VWBOX series player broadcasts the content on the display wall. Combining iSignager player with VWBOX brings the synergy to your video wall solution.



iSignager-AdMinistrator Box

The iSignager AdMinistrator Box is the preloaded iSignager AdMinistrator V4.X management server for x86-based digital signage player. The iSignager AdMinistrator box could be used as a management server and/or a FTP server. In addition, iSignager AdMinistrator box can Support Dual Player Management (RISC,x86) with AdMinistrator V4.X software and make the central control easier.



Features

- Powerful x86 based digital signage server which is preloaded AdMinistrator V4.X and AdDesign V4.X software for efficient content creation, content update, and player management.
- Preinstalled Http and FTP server.
- Preinstalled MySql database

Why we provide you AdMinistrator Box

Ready-to-deploy server without system setup

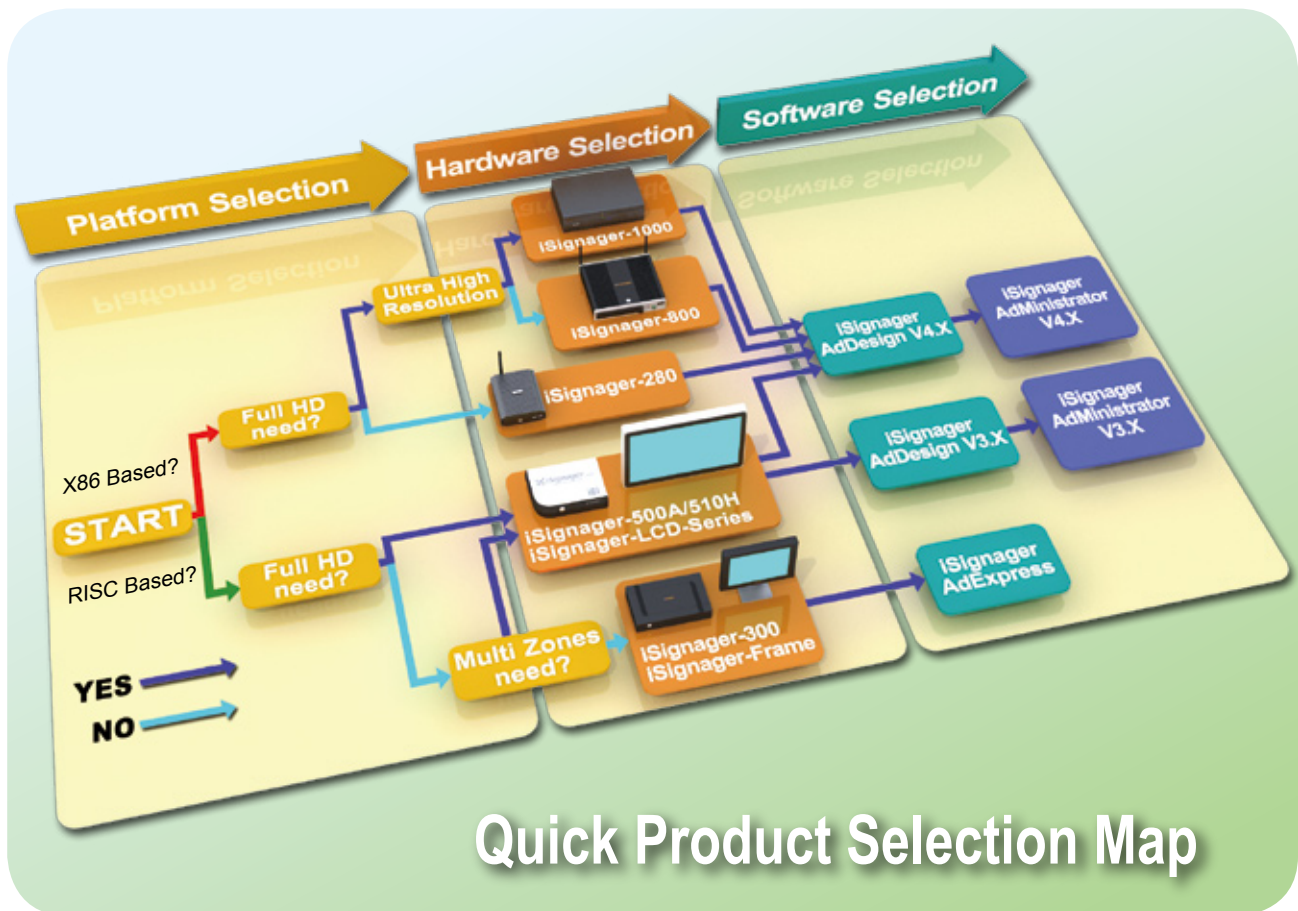
Without any hassle on the system setup, iNDS has already installed all the operating system and required drivers. Simply power on the box with an external monitor connected, you can start to create the content or manage the player on the iSignager AdMinistrator v4.x.

**iSignager
AdMinistrator V4.X
Preloaded Server**

Current Provide AdMinistrator Box Models:

Model Name	IS-ADMIN-BOX-CD352/DESKTOP-R10	IS-ADMIN-BOX-E2160/RACK-R10
Chassis Design	Desktop	Rack Mount
Processor	Intel® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352	Intel® Pentium® 4 3.4GHz, 2MB L2 cache Processor 651
Chipset	Intel® 945G + ICH7-R	Intel® 945G + ICH7
Memory	Two 240 pin 400/533/667 MHz dual channel DDR2 supported (System max. 4GB, built-in 1GB)	Two 240 pin 400/533/667 MHz dual channel DDR2 supported (System max. 4GB, built-in 1GB)
Display	Integrated in 945G, with one VGA port	Integrated in 945G, with one VGA port
Ethernet	1 x GbE with RJ-45	1 x GbE with RJ-45
Wireless	Optional	Optional
Connector	2 x USB 2.0 at front 2 x USB 2.0 at rear 2 x RS-232	8 x USB 2.0 5 x RS-232 1 x RS-232/422/485
HDD	built-in 1 x 160GB 3.5" SATA HDD	built-in 1 x 160GB 3.5" SATA HDD

How to design your iSignager System



Hardware and Software Support Table

SW \ HW	iSignager-300	iSignager-Frame Series	iSignager-500A/510H	iSignager-LCD Series	iSignager-800	iSignager-280	iSignager-1000
AdExpress	O	O	X	X	X	X	X
AdDesign V3.X	X	X	O	O	X	X	X
AdDesign V4.X	X	X	O	O	O	O	O
AdAdministrator V3.X	X	X	O	O	X	X	X
Administrators V4.X	X	X	O	O	O	O	O

Ordering Information (RISC-based)

	Model No.	Descriptions
iSignager 300 Player	ISIGNAGER-300-R10	Network digital signage player, max. 1366 x 768 output content resolution, 10/100M LAN, 1x USB, VGA output, 2GB SD Card, Silver, RoHS
	ISIGNAGER-300WL-R10	Network digital signage player, max. 1366 x 768 content resolution, built-in 802.11b/g wireless and 10/100M LAN, 1x USB, VGA output, 2GB SD Card, Silver, RoHS
iSignager 500A Player	ISIGNAGER-500A-R10	Network digital signage player, 10/100M LAN, 2x USB, VGA/S-video/DVI/component output, 1GB CF Card, Silver, RoHS
	ISIGNAGER-500AWL-R10	Network digital signage player, 802.11b/g wireless, 10/100M LAN, 2x USB, VGA/S-video/DVI/component output, 1GB CF Card, Silver, RoHS
iSignager 510H Player	ISIGNAGER-510H-R10	Network digital signage player, 10/100M LAN, 2x USB, VGA/S-video/HDMI/component output, 1GB CF Card, Silver, RoHS
	ISIGNAGER-510HWL-R10	Network digital signage player, 802.11b/g wireless, 10/100M LAN, 2x USB, VGA/S-video/HDMI/component output, 1GB CF Card, Silver, RoHS
iSignager Frame Series	ISIGNAGER-FRAME-W07-R10	7" TFT LCD all-in-one Network Digital Signage Display, 300 cd/m ² brightness Res. 800X480, built-in 10/100M LAN, 2 x 1.5W speaker, with OSD remote control, 2GB SD Card, 40W power adaptor, black, RoHS
	ISIGNAGER-FRAME-W07WL-R10	7" TFT LCD all-in-one Network Digital Signage Display, 300 cd/m ² brightness Res. 800X480, built-in 10/100M LAN and 802.11b/g wireless, 2 x 1.5W speaker, with OSD remote control, 1GB SD Card, 36W power adaptor, black, RoHS
	ISIGNAGER-FRAME-08-R10	8" TFT LCD all-in-one Network Digital Signage Display, 250 cd/m ² brightness Res. 800X600, built-in 10/100M LAN, 2 x 1.5W speaker, with OSD remote control, 2GB SD Card, 40W power adaptor, black, RoHS
	ISIGNAGER-FRAME-08WL-R10	8" TFT LCD all-in-one Network Digital Signage Display, 250 cd/m ² brightness Res. 800X600, built-in 10/100M LAN and 802.11b/g wireless, 2 x 1.5W speaker, with OSD remote control, 1GB SD Card, 36W power adaptor, black, RoHS
	ISIGNAGER-FRAME-W10-R10	10.2" TFT LCD all-in-one Network Digital Signage Display, 400 cd/m ² brightness Res. 1024X600, built-in 10/100M LAN, 2 x 1.5W speaker, with OSD remote control, 2GB SD Card, 40W power adaptor, black, RoHS
	ISIGNAGER-FRAME-W10WL-R10	10.2" TFT LCD all-in-one Network Digital Signage Display, 400 cd/m ² brightness Res. 1024X600, built-in 10/100M LAN and 802.11b/g wireless, 2 x 1.5W speaker, with OSD remote control, 1GB SD Card, 36W power adaptor, black, RoHS
	ISIGNAGER-FRAME-W15-R10	15.6" TFT LCD all-in-one Network Digital Signage Display, 250 cd/m ² brightness Res. 1366X768, built-in 10/100M LAN, 2 x 2W speaker, with OSD remote control, 2GB SD Card, 40W power adaptor, black, RoHS
	ISIGNAGER-FRAME-W15WL-R10	15.6" TFT LCD all-in-one Network Digital Signage Display, 250 cd/m ² brightness Res. 1366X768, built-in 10/100M LAN and 802.11b/g wireless, 2 x 2W speaker, with OSD remote control, 1GB SD Card, 60W power adaptor, black, RoHS
iSignager LCD	ISIGNAGER-LCD-15-R11	15" 350cd/m ² SXGA Network Digital Signage Display, Support second display, 1.5W Speaker, With 10/100Mbps LAN and wireless module, Plastic Front Panel, Black Color, RoHS
	ISIGNAGER-LCD-15S-R10	15" 350cd/m ² SXGA Network Digital Signage Display, 1.5W Speaker, With 10/100Mbps LAN and wireless module, Plastic Front Panel, Black Color, RoHS
	ISIGNAGER-LCD-19-R11	19" 300cd/m ² SXGA Network Digital Signage Display, Support second display, 3W Speaker, With 10/100Mbps LAN and wireless module, Plastic Front Panel, Black Color, RoHS
	ISIGNAGER-LCD-19S-R10	19" 300cd/m ² SXGA Network Digital Signage Display, 3W Speaker, With 10/100Mbps LAN and wireless module, Plastic Front Panel, Black Color, RoHS
	ISIGNAGER-LCD-W19S-R10	19" Wide Screen Digital Signage Display, Single Display, 300cd/m ² brightness Res. 1440X900, built-in 10/100M LAN, 2 x 3W speaker, with OSD remote control, 1GB CF card, 60W power adaptor, black, RoHS
	ISIGNAGER-LCD-42P-R10 <i>*New Product, Will Provide at July/2010</i>	42" TFT LCD all-in-one Network Digital Signage Display, Dual Display supported, Res 1920X1080, 700cd/m ² brightness, built-in 802.11 b/g wireless, 10/100M LAN, 2x 10W speaker, with OSD remote control, 1GB CF card, black, RoHS
iSignager AdMinistrator	ISIGNAGER-ADMINISTRATOR-V3-BASIC	AdMinistrator V 3.X, with CD & license for 10 players
	ISIGNAGER-ADMINISTRATOR-V3-20	AdMinistrator V 3.X, with CD & license for 20 players
	ISIGNAGER-ADMINISTRATOR-V3-50	AdMinistrator V 3.X, with CD & license for 50 players
	ISIGNAGER-ADMINISTRATOR-V3-100	AdMinistrator V 3.X, with CD & license for 100 players
	ISIGNAGER-ADMINISTRATOR-V3-200	AdMinistrator V 3.X, with CD & license for 200 players
	ISIGNAGER-ADMINISTRATOR-V3-300	AdMinistrator V 3.X, with CD & license for 300 players
	ISIGNAGER-ADMINISTRATOR-V3-500	AdMinistrator V 3.X, with CD & license for 500 players
	ISIGNAGER-ADMINISTRATOR-V3-1000	AdMinistrator V 3.X, with CD & license for 1000 players
	ISIGNAGER-ADMINISTRATOR-V3-2000	AdMinistrator V 3.X, with CD & license for 2000 players
	ISIGNAGER-ADMINISTRATOR-V3-unlimited	AdMinistrator V 3.X, with CD & license for unlimited players

Ordering Information (x86-based)

Model Name	Model No.	Descriptions
iSignager 800 Series	ISIGNAGER-800WL-N270/1GB/160G-R10	X86 Digital Signage Player with Intel® Atom™ 1.6GHz/ 512KB L2 cache Processor N270, 1GB DDR2 memory, 4GB CF card with built-in Windows Embedded XP Standard OS, 2.5" SATA HDD 160G, built-in 10/100mBase-T LAN, 802.11 b/g wireless LAN, 12V DC in, Black color, RoHS
iSignager 1000 Series	ISIGNAGER-1000-Q354/E8400/2GB/320G-R10	X86 Digital Signage Player with Intel® Core™ 2 Duo 3.0GHz/ 6MB L2 cache Processor E8400, 2GB DDR2 memory, 3.5" SATA HDD 320G with built-in Windows Embedded XP Standard OS, built-in 802.11 b/g wireless LAN, 90-264V AC in, Black color, RoHS
	ISIGNAGER-1000-Q354/Q9400/2GB/320G-R10	X86 Digital Signage Player with Intel® Core™ 2 Quad 2.66GHz/ 6MB L2 cache Processor Q9400, 2GB DDR2 memory, 3.5" SATA HDD 320G with built-in Windows Embedded XP Standard OS, built-in 802.11 b/g wireless LAN, 90-264V AC in, Black color, RoHS
iSignager AdMinistrator Box V4	IS-ADMIN-BOX-CD352/DESKTOP/BASIC-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 10 players, white color, RoHS
	IS-ADMIN-BOX-CD352/DESKTOP/20P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 20 players, white color, RoHS
	IS-ADMIN-BOX-CD352/DESKTOP/50P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 50 players, white color, RoHS
	IS-ADMIN-BOX-CD352/DESKTOP/100P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 100 players, white color, RoHS
	IS-ADMIN-BOX-CD352/DESKTOP/200P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 200 players, white color, RoHS
	IS-ADMIN-BOX-CD352/DESKTOP/300P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, white color, RoHS
	IS-ADMIN-BOX-CD352/RACK/BASIC-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 10 players, Black color, RoHS
	IS-ADMIN-BOX-E2160/RACK/20P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 20 players, Black color, RoHS
	IS-ADMIN-BOX-E2160/RACK/50P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 50 players, Black color, RoHS
	IS-ADMIN-BOX-E2160/RACK/100P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 100 players, Black color, RoHS
	IS-ADMIN-BOX-E2160/RACK/200P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 200 players, Black color, RoHS
	IS-ADMIN-BOX-E2160/RACK/300P-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651, 2GB DDR2 memory, built-in 3.5" HDD 320G & CD-ROM, with Windows Embedded XP Pro OS, with CD & license for 300 players, Black color, RoHS

All-in-One Touch POS



POS System and its Peripherals for Restaurant and Retail Business



EP-165E

- Second display support including digital signage, monitor and VFD display.
- Full I/O interface for peripherals
- Smart mechanical design
- Dust-proof CPU protection
- Heat-dissipated aluminum chassis
- IP 64 compliant front panel
- Wireless communication enabled



EP-265E

- Modular construction design for easy maintenance
- 20°~90° adjustable main display
- Support second display with adjustable swivel angle
- Two 2.5" SATA hard disk bays and one CF card slot for storage
- Effective heat dissipation system
- I/O interface for easy peripherals connection
- Built-in wireless LAN for remote communication
- IP 64 compliant front panel



EP-308A

- 8" Mini POS with Intel® Atom™ processor
- Small footprint satisfies limited space requirements
- Built-in resistive touch screen
- Built-in 2" easy-loading thermal printer
- Extendable connections for peripheral devices
- Optional 802.11 b/g wireless LAN
- IP 64 compliant front panel



Customer Display



Barcode Reader



Thermal Printer



Cash Drawer

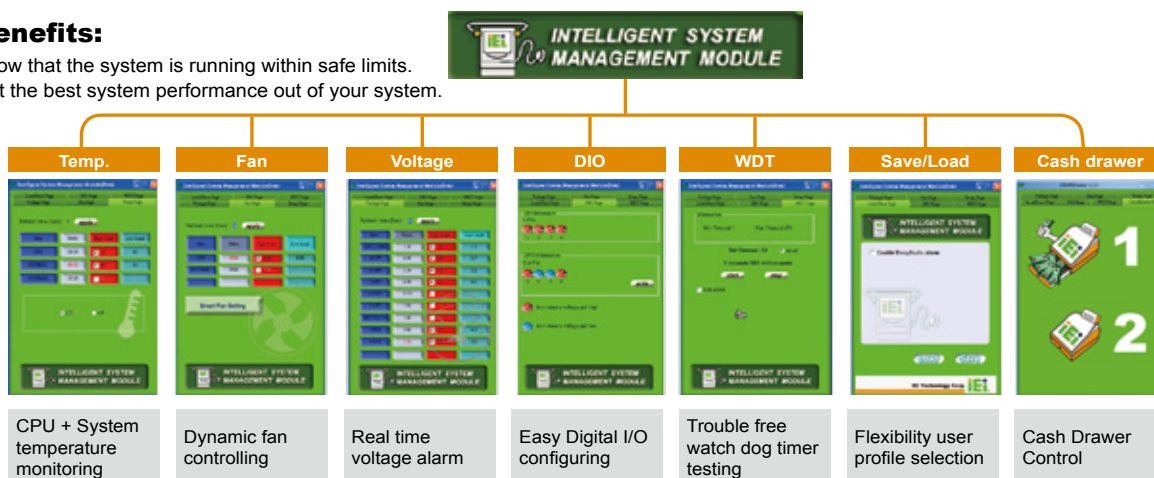


Supervision Utility for POS Solution

The ISMM monitors system settings to prevent system instability or damage. The ISMM monitors system temperatures and voltages, cooling fans, watchdog timer and digital I/O.

Benefits:

Know that the system is running within safe limits.
Get the best system performance out of your system.



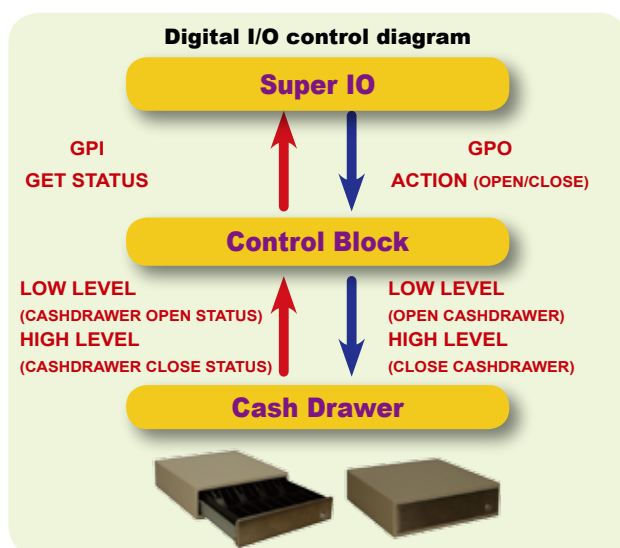
Watchdog timer prevents system lock-up

The watchdog timer will automatically restart the system if it stops responding, ensuring dependability during unattended operation.



Two Digital I/O with 12V/24V power for cash drawer

Enrich POS is equipped with a digital I/O RJ-12 12V/24V port that provides extension for peripherals such as a cash drawer device, lamp, alarms etc.



Cash Drawer RJ-12 Pin Assignments

Pin	Assignment
1	Ground
2	CASH_1 (Digital Out Programmable)
3	Digital IN
4	+12V/24V
5	NC
6	Ground

iNDS ISMM cash drawer status monitoring

iNDS also provides a quick and easy tool to develop cash drawer application for POS program



Free ISMM API Support

All-in-One Touch POS

EP-308A Mini POS PC

Features

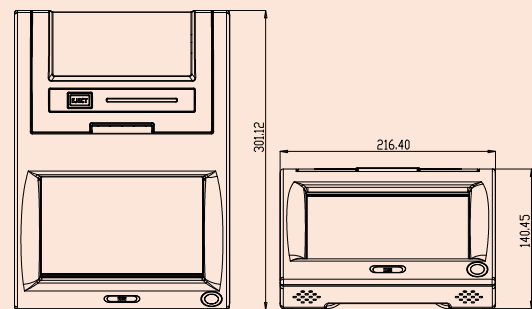
- 8" Mini POS with Intel® Atom™ processor
- Small footprint satisfies limited space requirements
- Extendable connections for peripheral devices
- Built-in 2" easy-loading thermal printer
- Built-in resistive touch screen
- IP-64 compliant front panel



Specifications

Model		EP-308A-N270
LCD Size		8"
CPU		Intel® Atom™ 1.6G N270 processor
Chipset		Integrated in Intel® 945GSE
Graphic		Integrated in Intel® 945GSE
Memory		Built-in 1GB DDR2 memory System support one 200-pin dual-channel 667 MHz DDR2 up to 2 GB
Max Resolution		800 x 600
Brightness (cd/m²)		250
Contrast Ratio		500:1
LCD Color		262K
Pixel Pitch (mm)		0.2025(H) x 0.2025(V)
Viewing Angle (H-V)		130° / 110°
Backlight MTBF		30000 hrs
Touch Screen		5-wire resistive type
HDD		1 x 2.5" SATA HDD
SSD		1 x CFII
I/O Interface	Display	1 x VGA Port
	PoweredUSB	4 x USB
	Powered COM	2 x RJ45 COM Port
	Cash Drawer Port	1 x 12V
	LAN	1 x giga LAN
	Wireless	(Option)
	Audio	1.5W + 1.5W amp
	Power Switch	1 x 24V DC-IN Power Jack
Power	Quick Buttons	1 x Power Switch with LED on Front Panel
	Adapter	FSP070-RAA607, VAC:90~264V, 24V/70W
Output		24V DC
Mounting		Optional VESA 100mm
Construction		Aluminum Chassis
Color		Black / Silver or Selected Color
Operation Temperature (°C)		0°C~40°C
IP Level		IP64 (Front Panel)
Safety & EMI		CE / EMC / FCC / CB / CCC / UL / BSM
Dimensions (WxHxD)		320 x 217 x 141 mm
Net Weight		2.80 Kg

Dimensions (Unit: mm)



Options

Model	EP-308A
Barcode Reader	AFLP-BRW01-U (White color) / AFLP-BRB01-U (Black color)
Customer Display	AFL-CDW01 (White color) / AFL-CDB01 (Black color)
OS: Windows® XPE	EPCF-308-N270-XPE (4GB CF card)
OS: Windows® WEPOS	EPCF-308-N270-WEPOSREADY (4GB CF card)

Ordering Information

Part No.	Description
EP-308A-N270/T-R/1GBR11	8" 250cd/m² POS PC with Intel® Atom™ N270 1.6GHz, 1GB DDR2 RAM, 10/100Base-T Ethernet, built-in 2" easy loading thermal printer with auto cutter WPOS/OPOS support only, touch screen, RoHS
EP-308AX-N270/T-R/1GBR11	8" 250cd/m² POS PC with Intel® Atom™ N270 1.6GHz, 1GB DDR2 RAM, 10/100Base-T Ethernet, touch screen, RoHS
EP-308AS-N270/T-R/1GBR11	8" 250cd/m² POS PC with Intel® Atom™ N270 1.6GHz, 1GB DDR2 RAM, 10/100Base-T Ethernet, built-in 2" easy loading thermal printer with auto cutter command mode supported, touch screen, RoHS



EP-308A Mini POS PC

A compact and efficient POS system is the perfect solution for small and medium business. iNDS new EP-308A Mini POS is just the right POS system for all the small and medium business owner!

The EP-308A uses the Intel® Atom™ processor that consumes less power and still achieving high performance. The EP-308A POS PC is ideally suited as a main POS system for small and medium-sized businesses, allowing the business owner to easily manage the business transactions and records. The small footprint EP-308A is perfect for any environment installation.

Built-in 2" Easy-Loading Thermal Printer with Auto-cutting

- **High Speed Thermal Printer**

The built-in printer can print a 100 mm/s (800 dot lines/s) maximum.

- **Auto Cutter**

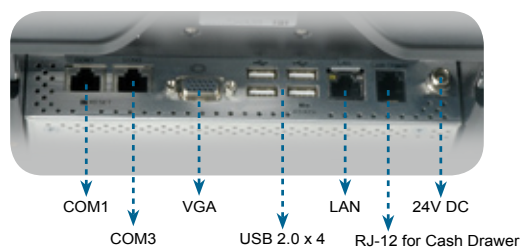
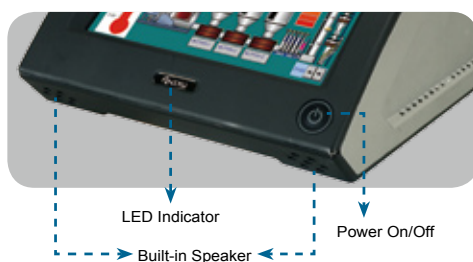
The built-in printer supports paper full cut or partial cut according to user selection.

- **Easy Paper Setting**

Paper can be easily inserted and the auto-loading function is also available. When the paper jam occurs, simply take the paper roll out and put it back.



I/O Interface



Colors EP308

iNDS provides many colors of EP308A fitting your Scenario.



All-in-One Touch POS

EP-165E POS PC

Features

- Second displays support including digital signage, monitor and VFD display.
- Full I/O interface for peripherals
- Smart mechanical design
- Dust-proof CPU Protection
- Heat-dissipated Aluminum Chassis
- IP-64 Compliant Front Panelt



Specifications

Model		EP-165E-N270
LCD Size		15"
CPU		Intel® N270 Atom™ 1.6G
Chipset		Intel® 945GSE + ICH7M
Graphic		Integrated in 945GSE with DB-15 VGA output
Memory		Built-in 512MB DDRII memory system supports one 200 pin dual channel DDRII 667MHz up to 2GB
Max Resolution		1024 x 768
Brightness (cd/m²)		250
Contrast Ratio		600:1
LCD Color		16.7M
Pixel Pitch (mm)		0.297(H) x 0.297(V)
Viewing Angle (H-V)		160° / 160°
Backlight MTBF		40000 hrs
Touch Screen		Resistive Type 5-Wire (touch controller IC is on board) / DMC9000 (Support RS-232 interface)
HDD		1 x 2.5" SATA HDD Bay
SSD		1 x CF Type II slot
I/O Interface	Display	1 x VGA Port
	PoweredUSB	7 x USB 2.0 / 4 x USB / 2 x USB (expansion slot) / 1 x 12V power USB
	Powered COM	5 x COM Port / COM3(12V/5V), COM4(12V/RI) / COM5(12V/5V), COM6(12V/RI) / COM2(12V/5V / DB9, support by IT8712F (expansion slot) / LED indicators --12V:Red, 5V:Yellow, RI:Green
	Cash Drawer Port	2 x RJ11 connectors, 12V/24V for cash drawer
	LPT	1 x External Parallel port, DB-25
	LAN	1 x PCIe Realtek RTL8111CP giga LAN
	Wireless	Option WIFI card
	Audio	3W amp. + 3W amp. Audio connector on the SBC bottom
	Power Switch	1 x AT / ATX Switch / 1 x 12V DC-IN Power Jack / 1 x LED on Front Panel for Power ON/OFF
	Quick Buttons	Brightness & Volume control
Power	Adapter	150W Power adapter (FSP150-AHAN1808-RS)
	Output	12VDC Max 3.0A
	Consumption	12V 5.0A
Mounting		Main display: STAND & VESA 100 Wall Mounting / Second display: VESA 75 mounting
Construction		ABS + PC Plastic front Panel Aluminum Alloy Chassis
Color		Black
Operation Temperature (°C)		0~35°C
IP Level		IP64 (Front Panel)
Safety & EMI		CE / EMC / FCC / CB
Dimensions (WxHxD)		321.33 x 220.86 x 386.73 mm
Net Weight		8.34 Kg

Options

Model	EP-308A
Wall Mount Kit	AFLWK-19/ AFLWK-19B
AFOLUX Monitor (8.4")	EPP-16-AFL-08M
AFOLUX Monitor (10.4")	EPP-16-AFL-10M
Magnetic Card Reader	EPP-16MSR-U
Smart Card Reader	EPP-16MSI-U
Barcode Reader	AFLP-BRW01-U (White color) / AFLP-BRB01-U (Black color)
Cash Drawer	AFLP-CW02-24V (White color) / AFLP-CB02-24V (Black color)
Customer Display	AFL-CDW01 (White color) / AFL-CDB01 (Black color)
VFD Customer Display	EPP-16VFD-U
Thermal Printer	AFLP-TPW01 (White color) / AFLP-TPB01 (Black color)
OS: Windows® XPE	EPCF-15-N270-XPE-R10 (1GB CF Card)
OS: Windows® WEPOS	EPCF-15-N270-WEPOSREADY-R10 (1GB CF Card)

Ordering Information

Part No.	Description	Remark
EP-165E-910-10G/T-R/1GB-R10	15" 250cd/m² XGA POS PC with Celeron® M 1.0GHz 512K cache CPU, 1GB DDR2 RAM, Resistive touch screen, RoHS	MOQ limited
EP-165E-945-CM440/WT-R/1GB-R10	15" 250cd/m² XGA POS PC with Celeron® M 440 1.86GHz CPU, 1GB DDR2 RAM, 802.11 a/b/g wireless module, touch screen, RoHS	MOQ Limited
EP-165E-N270/T-R/512MB-R10	15" 250cd/m² XGA POS PC with Intel® Atom™ N270 1.6GHz, 512MB DDR2 RAM, Resistive touch screen, RoHS	Stand included in package
EP-165E-N270-T-R/1GB-R10	15" 250cd/m² XGA POS PC with Intel® Atom™ N270 1.6GHz, 1GB DDR2 RAM, Resistive touch screen, RoHS	Stand included in package



EP-165E POS PC

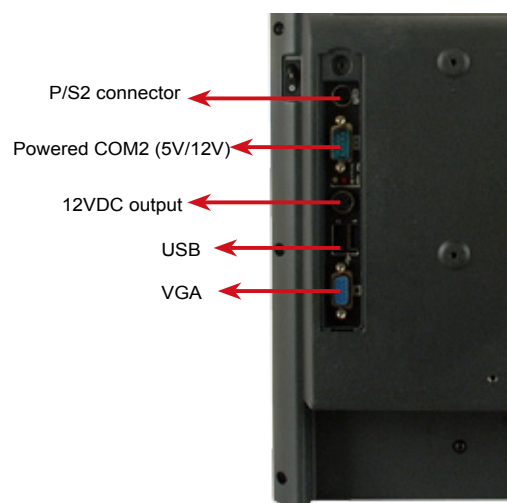
The EP-165E POS system is a 15" all-in-one touch POS system. With the fanless or external fan design, the EP series provides outstanding computing performance and low-power consumption for diverse POS applications.

EP-165E Series Product Line

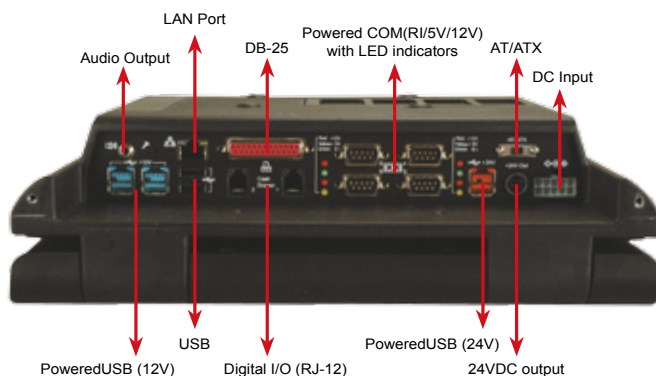
	CPU	Chipset Platform	LCD Size	Model
Fanless	Celeron® M	910GMLE	15"	EP-165E-910
Fanless	Atom™ N270	945GSE	15"	EP-165E-N270

Full I/O Interfaces for Peripherals

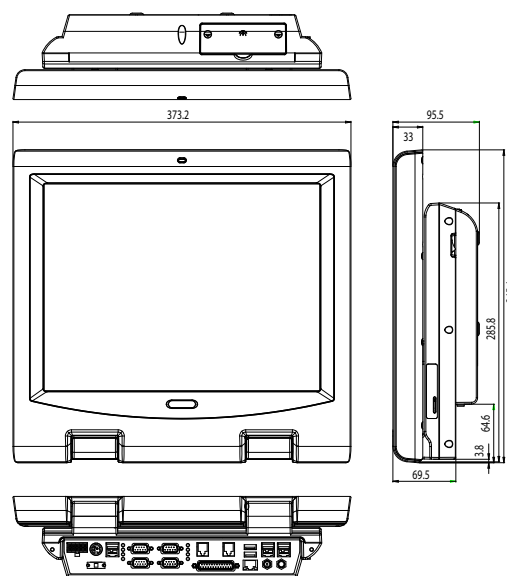
EP series POS is equipped with full I/O interfaces for easy connecting with different peripherals. The connections can be either via the rear panel or the bottom panel.



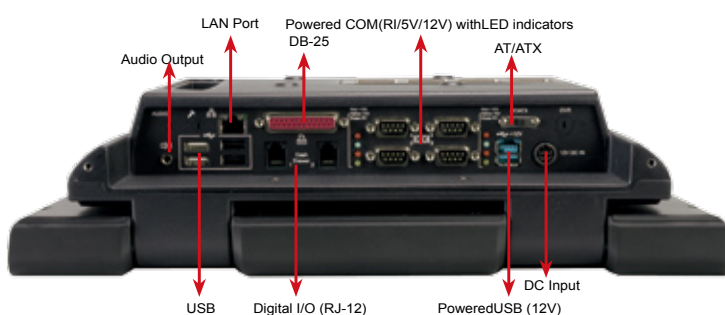
EP-165E-910



Dimensions (Unit: mm)



EP-165E-N270



All-in-One Touch POS

• Powered COM Port with LED Indicator

The voltage of the powered COM port is selected by configuring the onboard jumper. Each powered COM port has a set of LEDs to indicate the current output voltage. This prevents plugging a device that

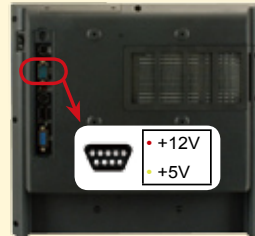
• Identify LED color:

12V	The voltage supplied from the port was set as 12V
5V	The voltage supplied from the port was set as 5V
RI	The voltage supplied from the port was set as RI (ring indicator)

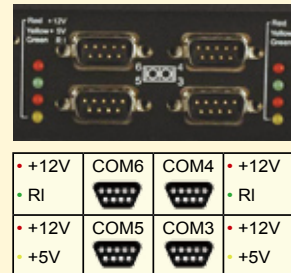


The output voltage of the powered COM is selectable respectively by opening and shorting the control pins onboard.

• On the rear panel

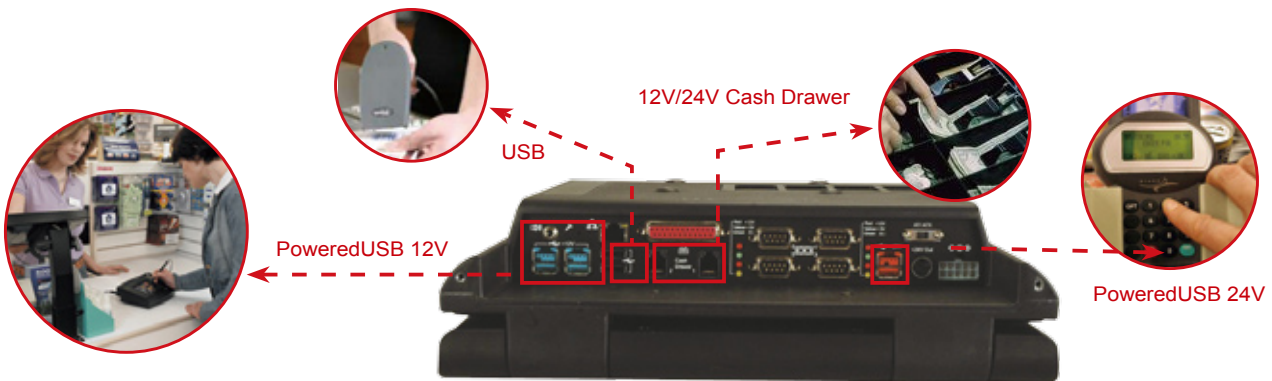


• On the bottom panel



• PoweredUSB with 5V/12V/ 24V supply

The EP-165E POS is equipped with the convenient PoweredUSB interface which is widely used in peripherals of POS system such as receipt printer, barcode scanner, pin pad, and payment terminal.



• Two Digital I/O with 12V/24V power supplies

EP-165E POS is furnished with two digital I/O RJ-12 with selectable 12V/ 24V power that provides expansion for cash drawers.

• AT/ ATX Power Mode Selection

The EP-165E POS provides AT and ATX power modes for users to choose the best solution for their applications by simply switching the button on the I/O.



AT Power Mode, system powered on/off by central plug, is suitable when the EP-165E is mounted on the wall.

ATX Power Mode allows the computer to be turned on/off via software or network. In ATX mode, the system goes into standby mode when not in use. It is ideal for power saving.

Wireless Communication Enabled

The EP series POS supports 802.11 b/g WiFi connections in business environment. For EP-165E-N270, the wireless function is optional.

Windows® OS support

INDS offer the OS image for the EP Series POS including Windows XP Embedded, Windows Embedded CE, WEPOS and Windows Embedded POSReady.





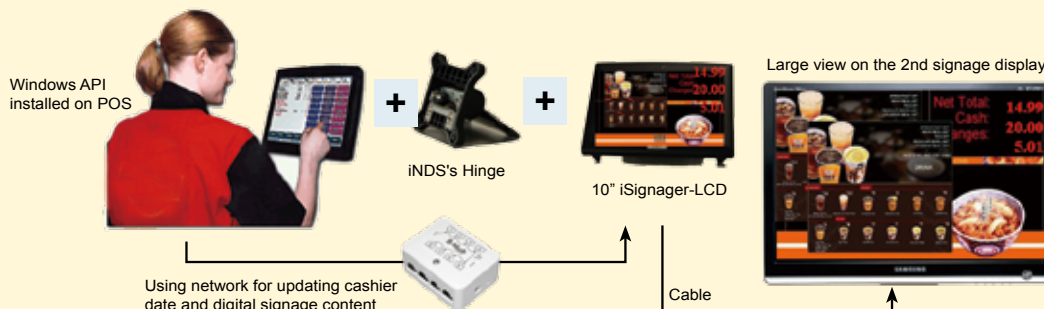
Support Second Display

The EP series POS supports second independent display. The supported display devices include

- iSignager-LCD
- AFOLUX Monitors
- iNDS's VFD solution
- Other displays compatible with VESA 100 mm mounting standard

• iSignager-LCD

The EP series POS supports 10" iSignager-LCD. iNDS provides Windows API for users to integrate with their own POS program for updating the real-time POS information displayed on the iSignager-LCD. With this integration, the iSignager-LCD provides digital signage and VFD functions at the same time.



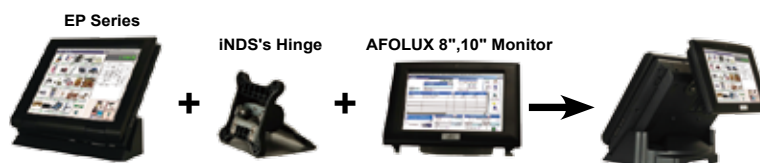
• VFD Display

iNDS offers two types of VFD as following

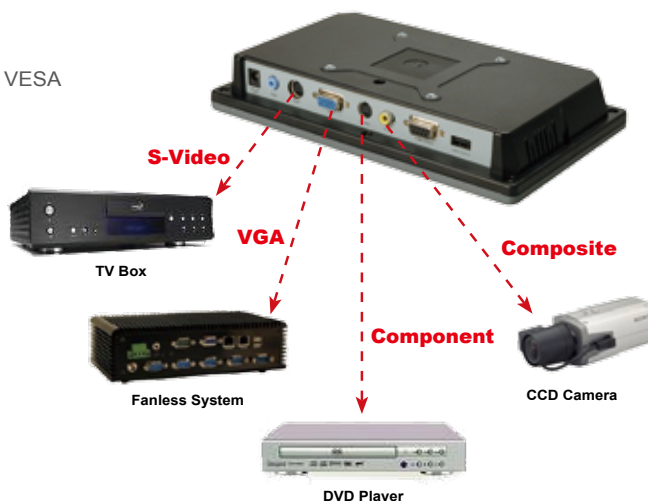


• AFOLUX Monitor

iNDS's AFOLUX series monitors supports 4-in-1 multiple video inputs including S-Video, composite video, component video and VGA.

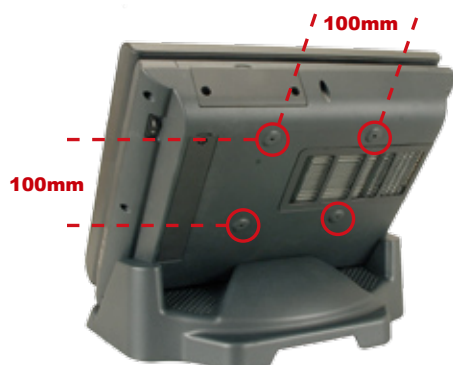


AFOLUX monitor supports 4 video inputs



• Other Displays

The EP series POS supports other displays compatible with VESA mounting standard (100mm x 100mm) on the rear panel.



All-in-One Touch POS

Smart Mechanical Design

• Easy-to-Swap SATA Hard Disk Drive

The special designed HDD slot makes it easy to swap SATA HDD



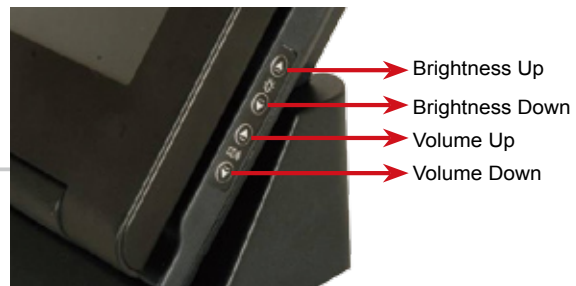
• Optional CF Card Storage

The EP Series POS supports CompactFlash Card storage.



• Contrast and Volume Control Buttons

Contrast and Volume Control Buttons on the right side panel are easily reached and adjusted the brightness and volume.

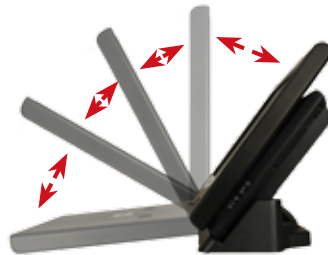


• Built-in Speakers

The EP series POS pre-install with two 3 Watt speakers at the customer side.

• Adjustable Swivel Angle for the Best View

The viewing angle of the EP series monitor is adjustable. With this special hinge design, the monitor displays content clearly at anytime, even when it is wall mounted.



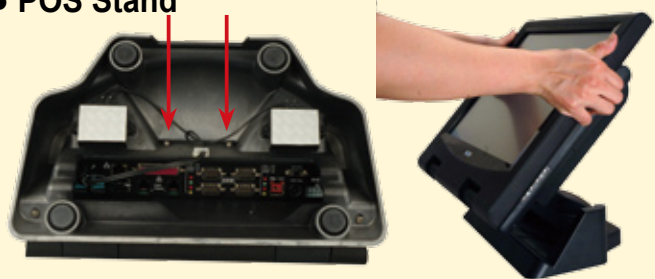
• Adjustable front panel over 120° • Adjustable second display for 45°

Various Mounting Solutions for Diverse Environment

• Wall-mounting



• POS Stand





EP-265 Modular Construction POS

Features

- Modular construction design for easy maintenance
- Support second display with adjustable swivel angle
- 20-90° adjustable main display
- Effective Heat Dissipation System
- I/O interface for easy peripherals connection
- Built-in wireless LAN for remote communication
- Two 2.5" SATA hard disk bays and one CompactFlash card slot for storage
- IP-64 compliant front panel



Specifications

Model		EP-265E-GM45-R10	EP-265E-N270-R10
LCD Size		15"	15"
CPU		Intel® Core™ 2 Duo 1.66GHz/ 2MB L2 cache	Intel® Diamondville-SC N270 (Atom 1.6G)
Chipset		Intel® GM45 + ICH9M	Intel® 945GSE + ICH7M
Graphic		Integrated in GM45 with DB-15 VGA output	Integrated in 945GSE with DB-15 VGA output
Memory		Built-in 1GB DDR2 memory system supports 2 x 240 pin dual channel DDR2 800/667MHz up to 2GB	Built-in 512MB DDR2 memory system supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB
Max Resolution		1024 x 768	1024 x 768
Brightness (cd/m²)		250	250
Contrast Ratio		600:1	600:1
LCD Color		16.7M	16.7M
Pixel Pitch (mm)		0.297(H) x 0.297(V)	0.297(H) x 0.297(V)
Viewing Angle (H-V)		160° / 160°	160° / 160°
Backlight MTBF		40000hrs	40000hrs
Touch Screen		Resistive Type 5-Wire, Support RS-232 interface.	Resistive Type 5-Wire, Support RS-232 interface.
HDD		2 x 2.5 SATA HDD Bay	2 x 2.5 SATA HDD Bay
SSD		1 x CF Type II slot	1 x CF Type II slot
I/O Interface	Display	1 x VGA Port	1 x VGA Port
	PoweredUSB	7 x USB 2.0 2 x 5V PoweredUSB on the rear panel 2 x 5V PoweredUSB on the bottom panel 1 x 12V PoweredUSB on the rear panel, 1 x 12V PoweredUSB on the bottom panel 1 x 24V PoweredUSB on the bottom panel	7 x USB 2.0 2 x USB on the rear panel 4 x USB on the bottom panel 1 x 12V PoweredUSB on the rear panel
	Powered COM	4 x COM Port with LED indicators 3 x 5V/ 12V Powered COM on the bottom panel (COM3/ COM4/ COM5),	1 x 5V/ 12V Powered COM on the rear panel (COM6)
	Cash Drawer Port	2 x 12V/ 24V RJ-11 connectors for cash drawer	1 x 12V/ 24V RJ-11 connectors for cash drawer
	PS2	1 x Keyboard, 1 x Mouse	1 x Keyboard, 1 x Mouse
	LPT	1 x DB-25	1 x DB-25
	LAN	1 x giga LAN	1 x giga LAN
	Wireless	Optional 802.11 a/b/g with PIFA antenna, PCIe interface	Optional 802.11 a/b/g with PIFA antenna, PCIe interface
	Audio	3W + 3W amp. audio connector on the SBC bottom	3W + 3W amp. audio connector on the SBC bottom
	Power Switch	1 x 12V/ 24V Power Jack, 1 x Power Switch on Right Side 1 x Dual Color LED on Front Panel	1 x 12V DC-IN Power Jack, 1 x Power Switch on Right Side 1 x Dual Color LED on Front Panel
Power	Quick Buttons	Brightness & Volume control	Brightness & Volume control
	Adapter	252W Power Adapter (ACE-D825A-H-RS)	150W Power adapter (FSP150-AHA312-RS)
	Input	12V/24V DC in	12V DC in
	Output	12V/24V	12VDC
Power Consumption		12V DC at 5.0A/24VDC at 3.0A	12V DC at 4.0A
Construction		ABS + PC Plastic Front Frame Aluminum Alloy Chassis	
Color		Black	
Operation Temperature (°C)		0~40°C	
IP Level		IP64 (Front Panel)	
Safety & EMI		CE / EMC / FCC / CB / UL	
Dimension (WxHxD)		373 x 390 x 335 mm	
Net Weight		8.30 Kg	

Options

Model	EP-265E-N270	EP-265E-GM45
Wall Mount Kit	AFLWK-19/ AFLWK-19B	
AFOLUX Monitor (8.4")	EPP-26-AFL-08M	
AFOLUX Monitor (10.4")	EPP-26-AFL-10M	
Magnetic Card Reader	EPP-26MSR-U	
Smart Card Reader	EPP-26MSI-U	
Barcode Reader	AFLP-BRW01-U (White color) / AFLP-BRB01-U (Black color)	
Cash Drawer	AFLP-CW01-12V (White color) / AFLP-CB01-12V (Black color)	
Customer Display	AFL-CDW01 (White color) / AFL-CDB01 (Black color)	
VFD Customer Display	EPP-26VFD-U	
Thermal Printer	AFLP-TPW01 (White color) / AFLP-TPB01 (Black color)	
OS: Windows® XPE	EPCF-265E-N270-XPE-R10 (1GB CF Card)	EPCF-265-GM45-XPE-R10 (1GB CF Card)
OS: Windows® WEPOS	EPCF-265E-N270-WEPOSREADY-R10 (1 GB CF Card)	EPCF-265-GM45 WEPOSREADY-R10 (1GB CF Card)

Ordering Information

Part No.	Description	Remark
EP-265E-N270/T-R/512MB-R10	15" 250cd/m² XGA POS PC with Intel® Atom™ N270 1.6GHz, 512MB DDR2 RAM, Resistive touch screen, RoHS	Stand included in package
EP-265E-N270/T-R/1GB-R10	15" 250cd/m² XGA POS PC with Intel® Atom™ N270 1.6GHz, 1GB DDR2 RAM, Resistive touch screen, RoHS	Stand included in package
EP-265E-GM45-C575/T-R/1GB-R10	15" 250cd/m² XGA POS PC with Celeron 2.0GHz 1MB cache CPU, 1GB DDR2 RAM, Resistive touch screen, RoHS	Stand included in package

EP-265 Modular Construction POS

The EP-265 is the multi-function all-in-one POS system and it's ideal for retailer or hospitality. The system supports a second display, facing the customer, for dynamic advertisements or information for the customer. The modular design of the system allows the different parts to be replaced quickly and easily, for quick maintenance. A wide range of I/O interfaces allow connections to almost any peripheral device.

A choice of 15" Touch Screens with a tilt angle from 20 ~ 90° offers you maximum flexibility and convenience. The stylish and fancy outlook EP-265 POS system is excellent for any business and offer a sense of fashion.

Fan-less

High Performance

Model	EP-265E-N270	EP-265E-GM45
LCD Size	15"	
CPU	Intel® Diamonville-SC N270 (Atom 1.6G)	Intel® Celeron® M 2GHz/ 1MB L2 cache
Chipset	Intel® 945GSE + ICH7M	Intel® GM45+ ICH9M
Memory	Built-in 1GB DDR2 memory, supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB	Built-in 1GB DDR2 memory, supports 2 x 240 pin dual channel DDR2 667/800MHz up to 2GB
Max Resolution	1024 x 768	
Brightness (cd/m ²)	250	
Contrast Ratio	600:1	
LCD Color	16.7M	
Touch Screen Type	Resistive Type 5-Wire	

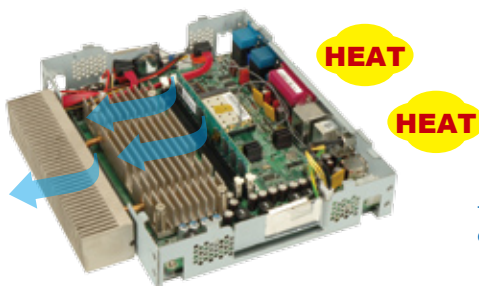
• Optional CPU Selection Guide (for GM45 model)

CPU Brand Name	Generation	CPU No.	Clock Speed (GHz)	FSB (MHz)	L2 Cache	TDP
Core™2 Duo	Penryn	T9300	2.50	800	6MB	35W
		T8300	2.40		3MB	
		T8100	2.10		3MB	
Core™2 Extreme	Merom (Santa Rosa)	X7900	2.80	800	4MB	44W
X7800		2.60	35W			
T7800		2.60				
T7700		2.40				
T7500		2.20				
T7300		2.00				
Core™2 Duo		T7250	2.00		2MB	17W
		T7100	1.80			
		L7700	1.80		4MB	
		L7500	1.60			
		L7300	1.40			

PS. Please refer to 2008 IPC Catalog P6-P10 for more information

Effective Heat Dissipation System

A combination of heat sinks and heat pipes transfer heat away from the CPU and other heat producing components. A large heat sink is situated near the front mesh cover for maximum cooling.



The main board inside the meshed cover and heat dissipation





Modular Construction Design

The EP-265 all-in-one POS system consists of three sections, the LCD module, the support pole module, and the main board module. Users can simply replace each module if any part needs repair. The modular design reduces the total cost on maintenance and after-sale service.



Free-to-Adjust Display

iNDS introduces the unique design of the free-to-adjust pole stand for second displays. The pole stand allows up and down, left and right (-45° to 45°) angle adjustment. The second display can be adjusted for the ideal angle for customer viewing and the main monitor can be adjusted for best viewing by the operator.



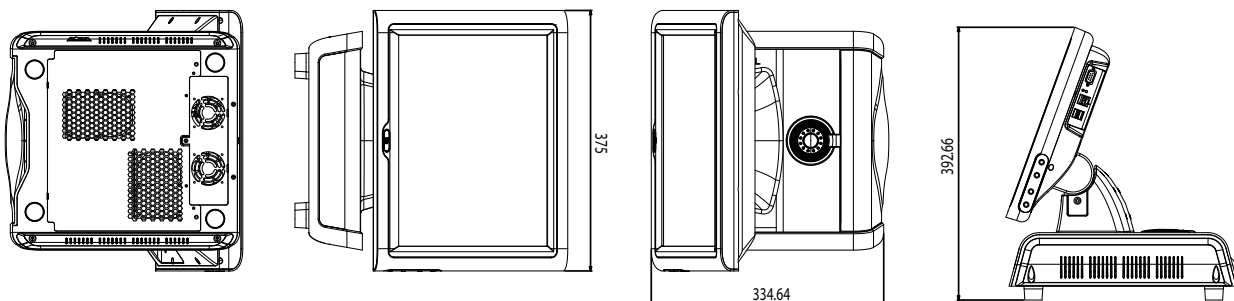
Angle adjust between 20° to 90°



Left and right (-45° to 45°) angle adjustment

Up and down angle adjust

EP-265 Modular Construction POS Dimensions (Unit: mm)



All-in-One Touch POS

Second Display Ready

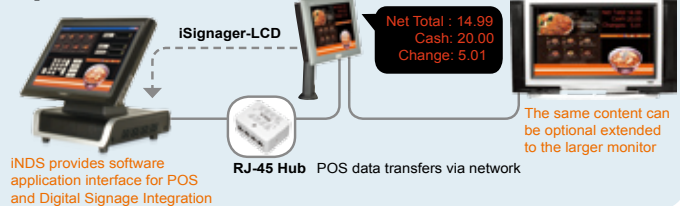
To maximize the sales revenue in the competitive business environment, the high density in-store promotion is an burgeoning marketing method. One of the implementation is the advertisement on second display at the point-of-sales.

iNDS EP-265 POS system allows various second displays, including digital signage, second monitor, and VFD.

• iSignager Digital Signage

iNDS iSignager-LCD is an independent exercising digital signage display. iNDS provides software application interface for users to integrate their own POS program to communicate with the iSignager-LCD and display the real-time POS data on the iSignager-LCD. The independent digital signage will not interrupt the POS system. In addition, the iSignager-LCD combines the digital signage and VFD dual functions together.

Implementation



• VFD Display

iNDS offers VFD display with pole stand for user's options. The in-house design VFD perfectly match to the outlook of EP-265 POS and present the sense of style.



• AFOLUX Monitor

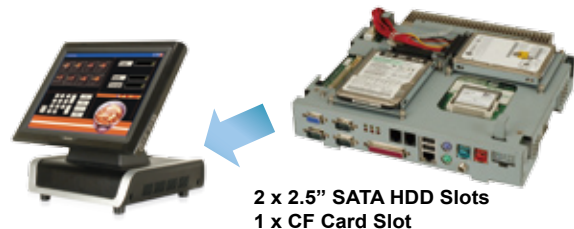
iNDS AFOLUX monitor supports multiple video inputs for rich contents from TV Box, DVD players or CCD camera.



Unique Mechanical Design

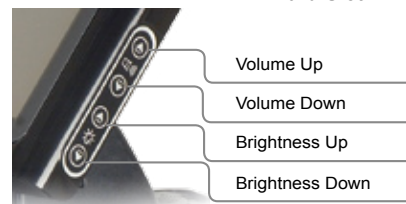
• Easy-to-swap Hard disk and CF card

Easy maintenance is one of the top criterion for the POS system. The EP-265 POS system introduce the easy-to-swap two 2.5" SATA hard disks and CompactFlash Card slots for users change the storage devices in a quick way.



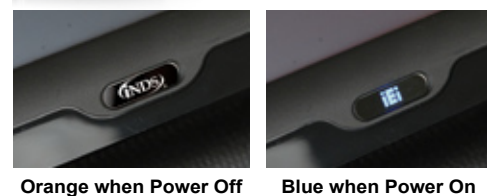
• Contrast and Volume Control Buttons

Contrast and Volume Control Buttons on the right side panel are easily reached and adjusted the brightness and volume



• LED Light-on Logo

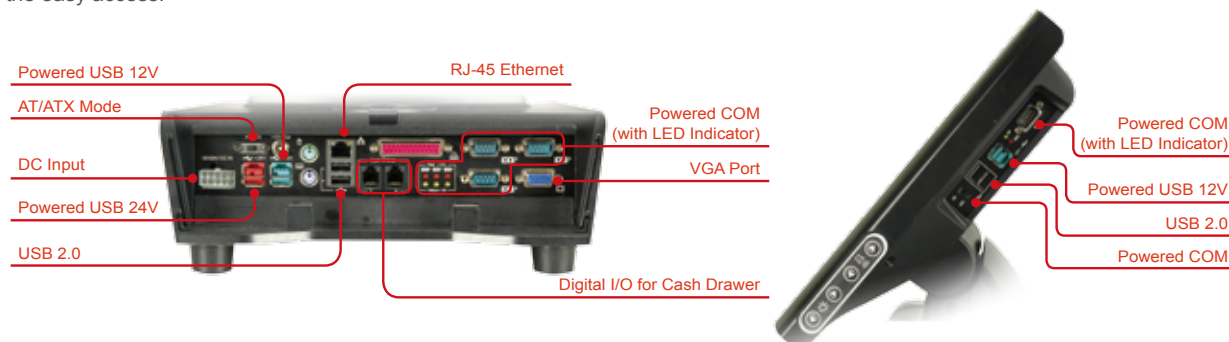
The power indicator LED is behind the iNDS logo. When the LED is orange, the system is plugged in, but turned off. When the LED is blue, the system is turned on.





Extensive I/O Interface

EP-265 POS system provides the comprehensive I/O interface on both the rear panel and the bottom panel. The bottom panel I/O interface is ideal for the long-lasting peripherals connections and the rear panel I/O is for the often plug-and-play accessories with the easy access.



• Powered COM port with LED Indicator

There are four powered COM ports on the system. Each powered COM port has a set of LEDs to indicate the current voltage setting, yellow indicates 5V and red indicates 12V.



The powered USB on the bottom panel is selectable by opening and shorting the control pins onboard



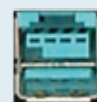
The powered USB on the rear panel is selectable by the jumper switch

• PoweredUSB for peripherals

Most POS peripherals are designed with USB connectors and requires the power supply from the POS system. The EP-265 are equipped with 5V/12V/24V PoweredUSB to fulfill user's demands for peripherals connections.



• **USB 2.0**
2 pcs on rear panel
2 pcs on bottom panel



• **12V PoweredUSB**
1 pcs on rear panel
1 pcs on bottom panel



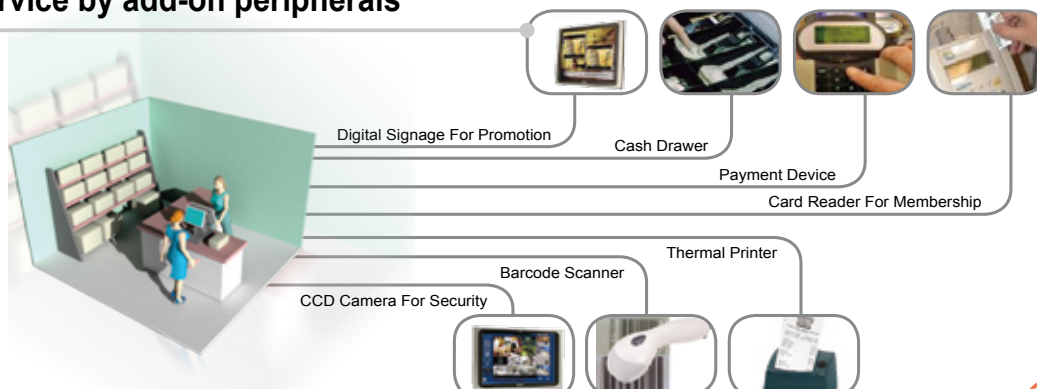
• **24V PoweredUSB**
1 pcs on bottom panel

• Digital I/O for Cash Drawer

The EP-265 POS system is furnished with two digital I/O (RJ-12) for cash drawer connections.



• Extend your service by add-on peripherals



Video Wall Controller



Video Wall Controller/ Splitter

Ultra High Resolution Video Controller/ Splitter for Multi-Screen Display Solution



VWBOX-E133

1 Input with 9 Outputs (3x3)
Up to 1920 x 1200
High-Resolution Input



VWBOX-E122

1 Input with 4 Outputs (2x2)
Up to 1920 x 1200 High-Resolution Input



VWBOX-HDMI-122

1 HDMI Input with 1 Output and 2x2 Outputs
Up to 1920 x 1200 High-Resolution Input



VWBOX-114P

1 Dual-link DVI Input to 4 DVI Outputs (4x1 & 1x4)
Support Up to 4092 x 768 / 1360 x 3072
High-Resolution Input

VWBOX-133A

1 Input with 9 Outputs (3x3)
Up to 3840 x 3072 (5:4) & 4080 x 2304 (16:9)
High-Resolution Input



VWBOX-122A

1 Input with 4 Outputs (2x2)
Up to 3840 x 2400
High-Resolution Input



VWBOX-114

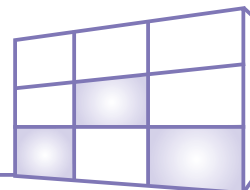
1 Input with 4 Outputs (4x1)
Up to 4092 x 768
High-Resolution Input



iNDS Video Wall Controller

Connect a laptop or desktop PC directly to the video box for instant display on a large video wall. No special hardware is required, only a high resolution DVI output from the computer to the video box. The video box tiles together a group of small and inexpensive LCD panels to produce a large video screen.





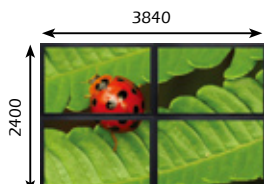
iINDS VWBOX Matrix & System Architecture

Full HD Resolution



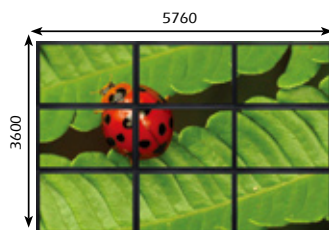
VWBOX-E122

- 1 input with 4 outputs (2x2)
- Input: Max. 1920 x 1200
- Output: Scale to max. 3840 x 2400



VWBOX-E133

- 1 input with 9 outputs (3x3)
- Input: Max. 1920 x 1200
- Output: Scale to max. 5760 x 3600



VWBOX-HDMI-122

- 1 input with 1 and 4(2x2) Output
- Input: Max. 1920 x 1200
- Output: Scale to max. 3840 x 2400



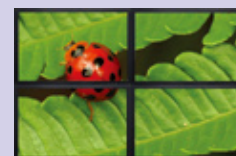
Full HD Input Content Support (Input Up to 1920 x 1200)



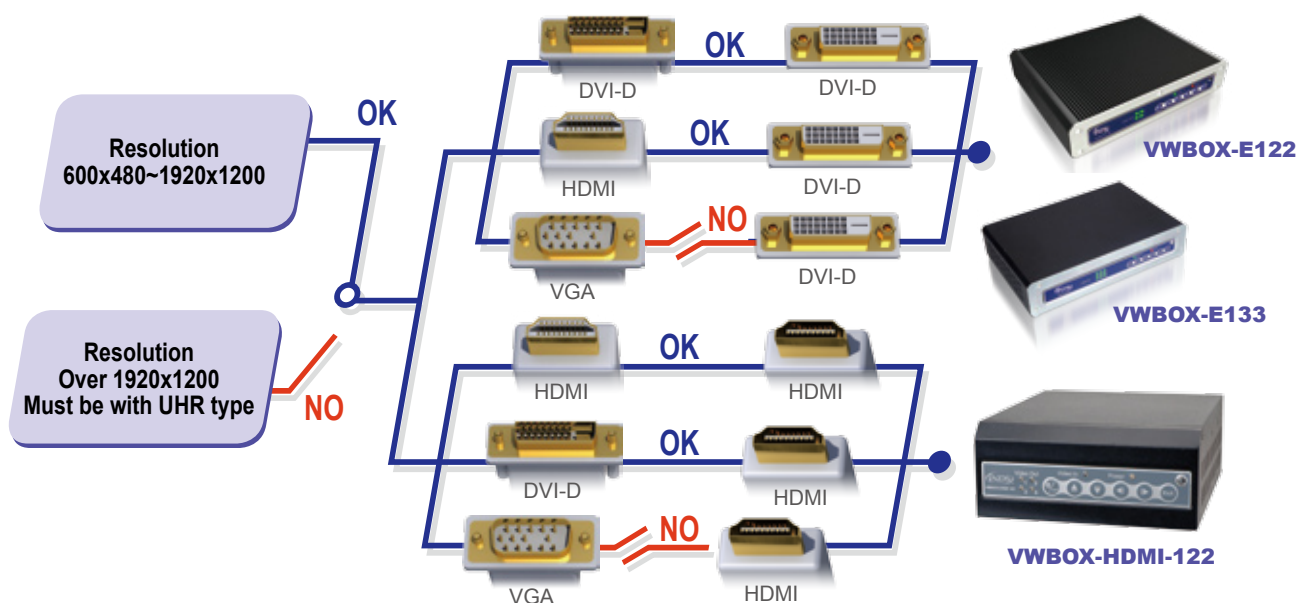
- Digital Signage
- Blu-ray Player (*None HDCP)
- PC

Supported Output Resolution:

2048 x 1536, 2720 x 1536, 2560 x 2048, 2800 x 2100, 3320 x 2100, 3200 x 2400, 3840 x 2400...etc



Full-Screen Display on the 2x2 video wall



iNDS VWBOX Matrix & System Architecture

Ultra High Resolution

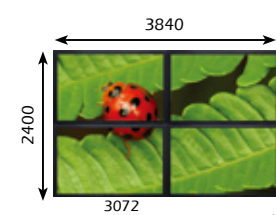
VWBOX-114

- 1 input with 4 outputs (4x1)
- Input: Max. 4092 x 768
- Output: Max. 4096 x 768



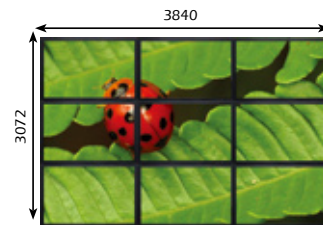
VWBOX-122A

- 1 input with 4 outputs (2x2)
- Input: Max. 3840 x 2400
- Output: Max. 3840 x 2400



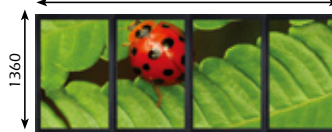
VWBOX-133A

- 1 input with 9 outputs (3x3)
- Input: Max. 3840 x 3072 (5:4) / Max. 4080 x 2304 (16:9)
- Output: Max. 3840 x 3072 (5:4) / Max. 4080 x 2304 (16:9)

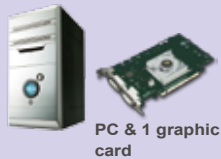


VWBOX-114P

- 1 input with 4 outputs (4x1)
- Input: Max. 4092 x 768 / 1360 x 3072
- Output: Max. 4096 x 768 / 1360 x 3072



High-Resolution Input Support

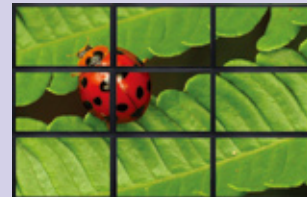


PC & 1 graphic card

STEP 1: PC receives the VWBOX's EDID information via DDC interface on DVI port

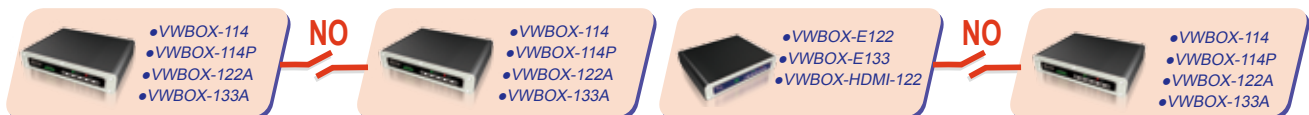
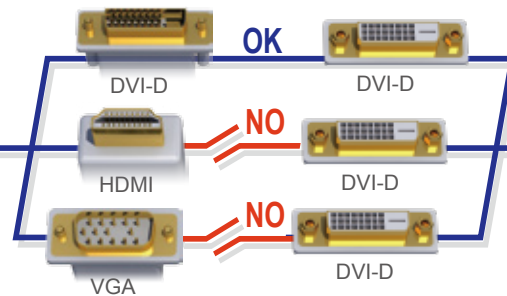


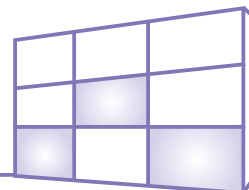
STEP 2: User sets up the matching resolution on PC's graphic card based on VWBOX's EDID information



High-Resolution Image on the 3x3 Video Wall

Video input Source Must be as same as VWBOX acceptable input resolution





VWBOX-HDMI-122



**HDMI
Solution**

Features

- iNDS unique GeniMask™ bezel masking technology
- Support up to 1920 x 1200 input content
- 1x Full Screen HDMI output and 1 set of 2x2 HDMI output
- Output timing 480i/480P/720i/720P/1080i/1080P
- Support multiple display modes, such as full mode, clone mode, and User mode etc.
- Audio output via HDMI cable and extra 1x7.1 analog Channels, 1x SPDIF output
- Allow remote manage the VWBOX via RJ-45, RS-232 cable or USB cable



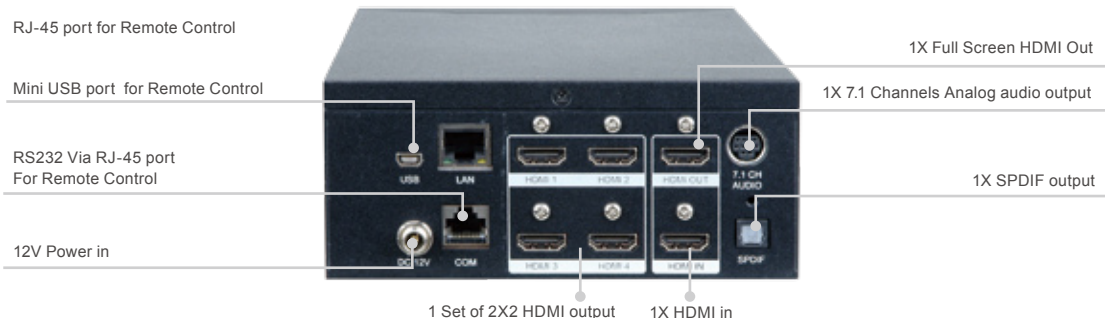
Specifications

Model			VWBOX-HDMI-122	
Dimensions (mm)			156 x 169 x 60(W x D x H)	
Cooling			Internal Fan	
Front Panel	LED Light		6 x LED (1 x Input, 4 x Output, 1x Power)	
	Keypad		6 Keys	
	IR Receiver		Yes	
Rear Panel	Input			
	Output	Video	1xHDMI for Full Screen , 1 Set of 2x2 HDMI output (HDCP Supported)	
		Audio	7.1 channels Analog output via 9 pins connector, 1XSPDIF connector	
	Remote Connector		1X RS232(Via RJ-45 Connector), 1xRJ45(for Ethernet), 1X mini USB	
Resolution			Clone, Full, Vertical Replication ,PIP and User Mode	
			Input	output
			Up to 1920 x 1200	720P/1080P
			640 x 400 @ 70 ,	
			720 x 400 @ 70 ,85,,	
			640 x 480 @ 60 , 66 , 70, 72, 75,	
			800 x 600 @ 56 , 60 , 66, 70, 72, 75,	
			1024 x 768 @ 60, 66, 70, 72, 75	
			1280 x 720 @60	
			1280 x 768 @60	
			1360 x 768 @ 60	
			1366 x 768 @ 60	
			1152 x 864 @ 75	
			1280 x 960 @ 60	
			1280 x 1024 @ 60, 70 ,75	
			1600 x 1200 @ 60	
			480i/P	
			720i/P	
			1080I/P	
			1920 x 1200 @ 60	
Power Consumption				
Power Supply	Connector		DC Power Jack	
	Input		90VAC to 264VAC/47Hz to 63Hz	
	Output		12V DC	
OSD Function			1. Power On/Off 2. Output resolution selection 3 . GeniMask bezel masking control	
Temperature			0°C ~ 40°C	
Safety and Emission			CE, FCC, and CCC	

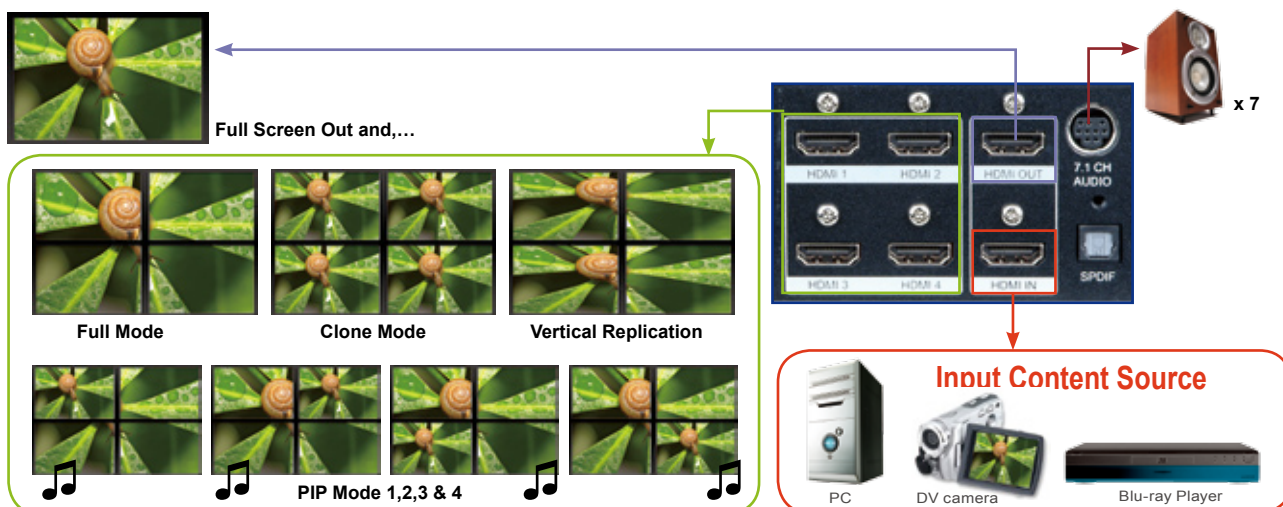
Video Wall Controller

VWBOX-HDMI-122

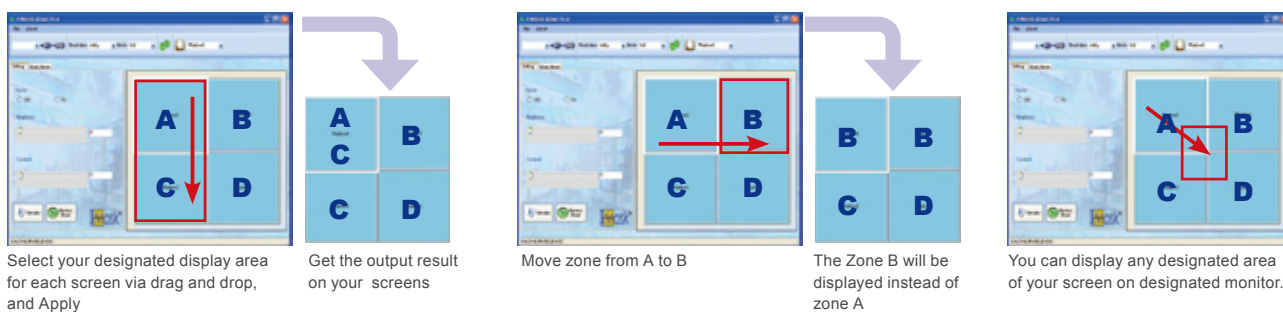
All HDMI Connectors Carry with Audio Signal and HDCP Supported



Get 2 Set of Video output in the same time

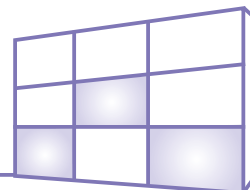


User Mode



Ordering Information

Part No.	Description
VWBOX-HDMI-122-R10	Up to 1920 x 1200 high resolution HDMI input video wall controller, 1 Full Mode HDMI output and one set of 2X2 HDMI output with audio signal, 7.1 channels analog audio output, 1 x SPDIF output, RJ-45, Com, and mini USB port



VWBOX-E122 / E133

Video Wall Controller with Scaling Function

Features

- iNDS unique GeniMask™ bezel masking technology
- Support up to 1920 x 1200 input content
- Output content is auto-scaling up to 3840X2400(E122)/5760X3600(E133) high resolution
- Support multiple display modes, such as full mode, clone mode, etc.
- Allow remote managing the VWBOX via RS-232 cable or DVI cable
- Easy-to-DIY video wall solution



Specifications

		VWBOX-E122/DVI-R10	VWBOX-E133-R10
Dimensions (mm)		230 x 180 x 47 (W x D x H)	295 x 188 x 47 (W x D x H)
Cooling		Fanless	
Front Panel	LED Light	6 x LED (1 x Input, 4 x Output, 1x Power)	11 x LED (1 x Input, 9 x Output, 1 x Power)
	Keypad	6 Keys	
	IR Receiver	Yes	
Rear Panel	Input	1 x DVI-I or DVI-D single-link input	
	Output	4 x DVI-D single-link output	9 x DVI-D single-link output
	RS-232	1 x RS-232	
Resolution		Clone, Full, Vertical Replication Mode	
		Input	Output
		640x480, 800x600, 1024x768, 1280x768, 1360x768, 1366x768, 1152x864, 1440x900, 1280x960, 1280x1024, 1680x1050, 1600x1200, 1920x1080, 1920x1200	1024x768, 1360x768, 1366x768, 1280x1024, 1400x1050, 1680x1050, 1600x1200, 1920x1080, 1920x1200
Power Consumption		20W	35W
Power Supply	Connector	DC Power Jack	
	Input	90VAC to 264VAC/47Hz to 63Hz	
	Output	12V DC	
OSD Function		1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control	
Temperature		0°C ~ 40°C	
Safety and Emission		CE, FCC, and CCC	

Packing List

Item	VWBOX-E122
Video Wall Box	1
12VDC Power Adapter	1
Power Cord	1
IR Remote Control	1
Single-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

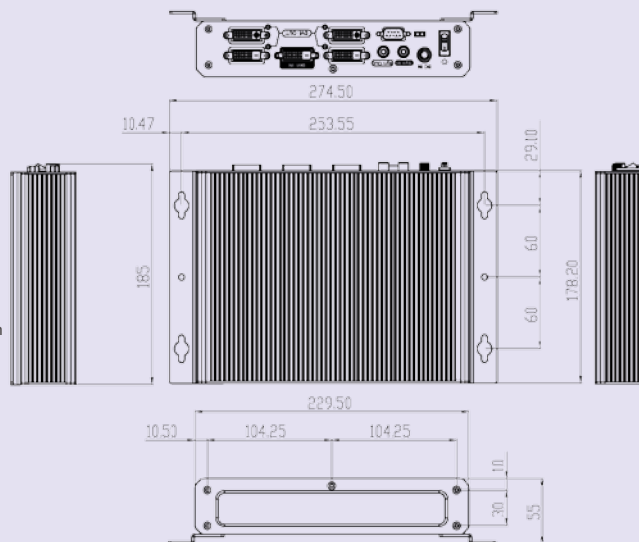
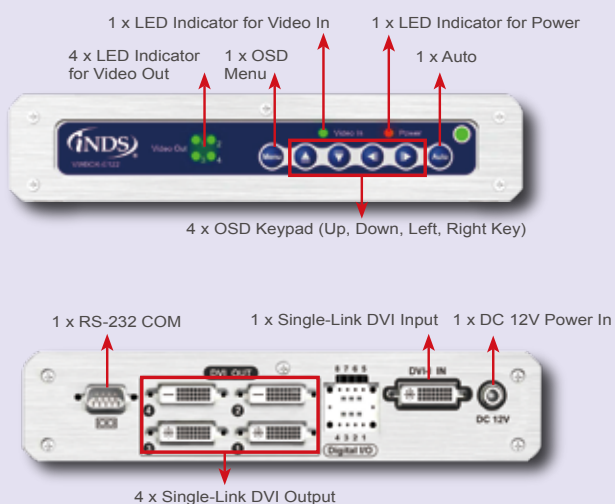
Options

Part No.	Description
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-000098-RS	RS-232 cable 1.8M
33Z01-000012-RS	DVI (Male) to HDMI (Female) converter
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

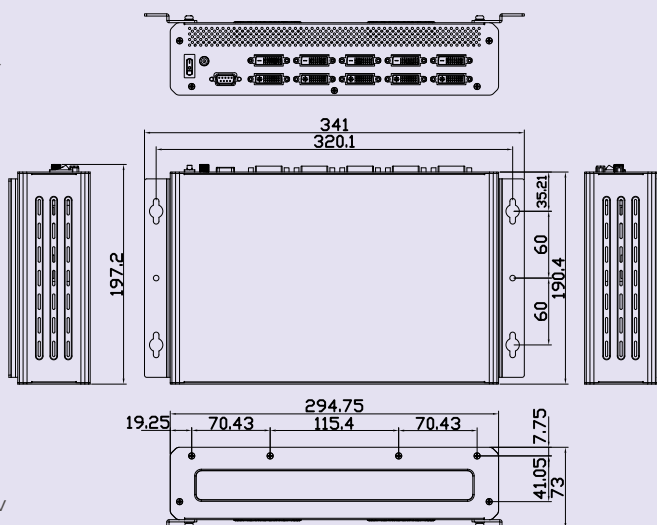
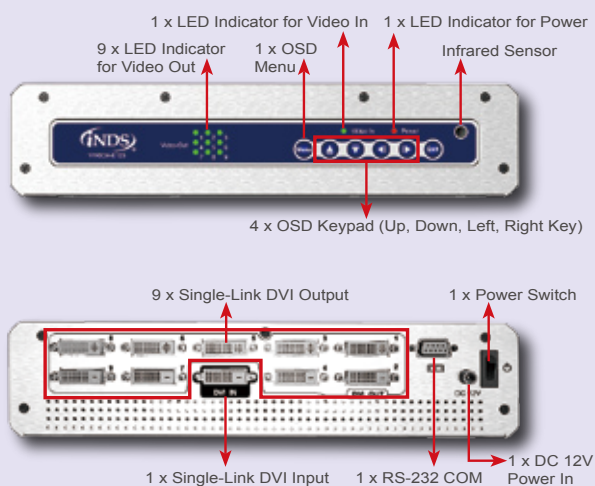
Ordering Information

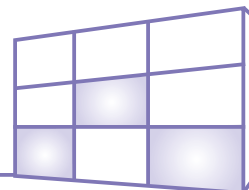
Part No.	Description
VWBOX-E122/DVI- R10	Up to 1920 x 1200 high resolution input video wall controller, 1 Single-link DVI input, 4 Single-link DVI output (2 x 2), RoHS
VWBOX-E133-R10	Up to 1920 x 1200 high resolution input video wall controller, 1 Single-link DVI input, 9 Single-link DVI output (3 x 3), RoHS

Dimensions (VWBOX-E122)



Dimensions (VWBOX-E133)

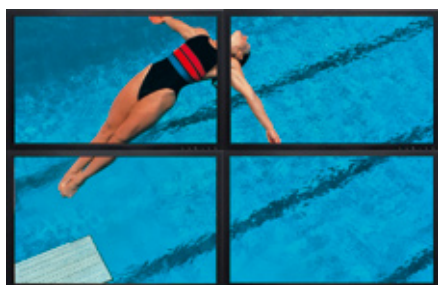




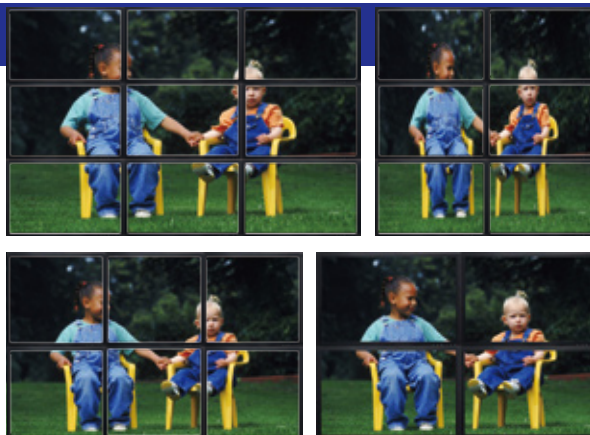
Support Various Display Modes

Full Mode

Image is spread over the entire display array.

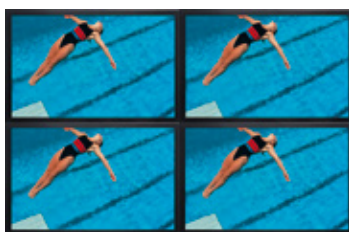


VWBOX-E122 (2x2)



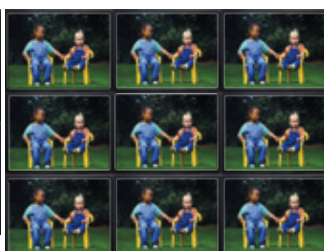
VWBOX-E133 (3x3, 2x3, 3x2, 2x2)

Clone Mode



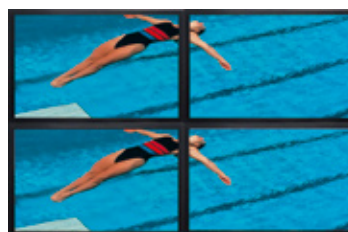
VWBOX-E122 (1x1)

Same content on four screens



VWBOX-E133 (1x1)

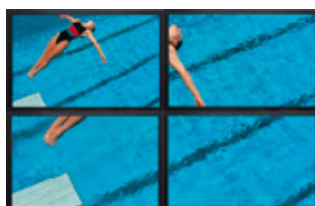
Vertical Replication Mode



VWBOX-E122 (2x1)

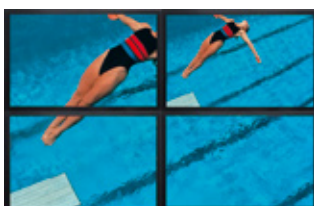
Display the same image in rows, for implementing wide video walls

PIP Mode (for VWBOX-E122 Only)



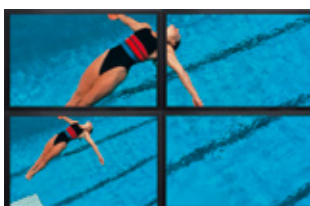
Mode 1

Full image on the upper-left screen



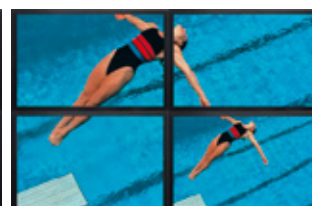
Mode 2

Full image on the upper-right screen



Mode 3

Full image on the lower-left screen



Mode 4

Full image on the lower-right screen

Support HD Content & Scaling Function

iNDS VWBOX-E122/E133 with Auto-Scaling Function

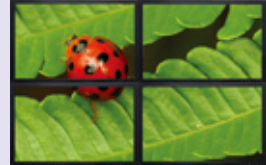


Flexible input content resolution, up to Full HD (1920 x 1200).

Auto-scale the input content to full screen



Full screen on 2x2 or 3x3 video wall



VWBOX-E122/E133 auto-scales the input content to the supported resolution:
2048x1536, 2720x1536, 2560x2048, 2800x2100, 3320x2100, 3200x2400, 3840x2400 (for VWBOX-E122)
3072x2304, 4080x2304, 3840x3072, 4200x3150, 4980x3150, 4800x3600, 5760x3600 (for VWBOX-E133)

Traditional Video Wall Controller without Scaling Function

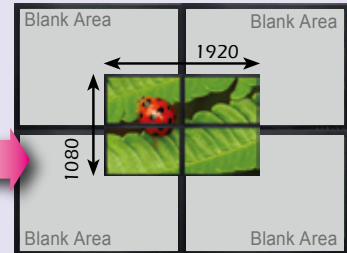


Small screen and big blank on video wall



Other Video Wall Splitter

Small screen on 2x2 or 3x 3 video wall



Flexible Selection on LCD Monitors

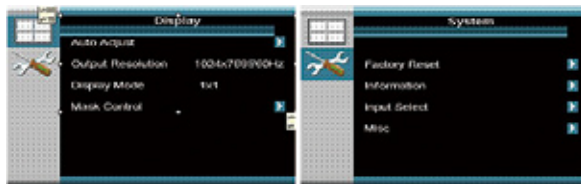
The input resolution of VWBOX-E122/ E133 is up to 1920 x 1200. Various monitor resolution is supported by VWBOX-E122/ E133, enabling flexible selection on monitors for different video wall applications.

	Source	Resolution
Input	DVI	800 x 600, 1024 x 768, 1152 x 864, 1280 x 768, 1280 x 960, 1280 x 1024, 1600 x 1200, 1680 x 1050, 1920 x 1200
Output	DVI	1024 x 768, 1360 x 768, 1280 x 1024, 1440 x 900, 1400 x 1050, 1680 x 1050, 1600 x 1200, 1920 x 1080, 1920 x 1200, 1366 x 768, 1920 x 1080

IR Remote Control and OSD

The VWBOX-E122/E133 includes an IR remote control for configuring the OSD settings. The OSD adjusts

- Output resolution
- Display mode selection
- Bezel mask adjustment
- Video input source
- Power on/off



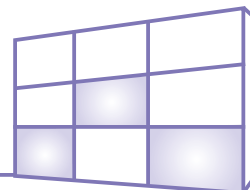
IR Remote Control

SmartOSD for Remote Management/ Digital I/O Setting

The SmartOSD remotely manages and controls the VWBOX-E122/E133 via an RS-232 or DDC/CI (DVI cable) interface. The digital I/O settings of the video wall controller can be set through the SmartOSD.

* Digital I/O settings is only for VWBOX-E122





VWBOX-114

Video Wall Controller with High-Resolution Input Support

Features

- Easy-to-install, flexible combination, cost effective solution
- High-resolution display content input and output
- Non-scaling, pixel-to-pixel mapping advantage
- Single input (Dual-Link DVI) and 4/9 outputs (Single-Link DVI)
- Support various display modes
- iNDS unique GeniMask™ bezel masking technology



Specifications

Model		VWBOX-114-R10			
Dimensions (mm)		230 x 130 x 47			
Cooling		Fanless			
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)			
	Keypad	6 Keys			
	IR Receiver	Yes			
Rear Panel	Input	1 x DVI dual-link Input			
	Output	4 x DVI single-link Output			
	Power Switch	1 x Power (in) with lock			
	RS-232	1 x RS-232			
Resolution	Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	
	Full Mode (4 x 1)				
	3392x480	(4x848x480) x1	60	31.02	
	3200x600	(4x800x600) x1	60	37.08	
	3840x600	(4x960x600) x1	60	36	
	4092x768	(4x1024x768) x1	51	48.36	
	Full Mode (3 x 1)				
	2544x480	(3x848x480) x1	60	31.02	
	2400x600	(3x800x600) x1	60	37.08	
	2880x600	(3x960x600) x1	60	36	
	3072x768	(3x1024x768) x1	51	48.36	
Power Consumption		10W			
Power Supply	Connector	DC Power Jack			
	Input	90VAC to 264VAC/47Hz to 63Hz			
	Output	12V DC			
OSD Function		1. Output resolution selection / 2. GeniMask bezel masking control / 3. Power On/Off			
Temperature		0°C ~50°C			
Safety and Emission		CE, FCC			

- 1 input with 4 outputs (4x1)
- Support (4x1) & (3x1) output selection
- Up to 4092 x 768 high-resolution input

Packing List

Item	VWBOX-114
Video Wall Box	1
12VDC Power Adapter	1
Power Cord	1
IR Remote Control	1
Dual-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

Options

Part No.	Description
32000-115700-RS	Dual-link DVI-D Cable 1.8M
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-115800-RS	Dual-link DVI-D Cable 5M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-115900-RS	Dual-link DVI-D Cable 10M
32000-114101-RS	Single-link DVI-D Cable 10M
32000-000098-RS	RS-232 Cable 1.8M
33Z01-000012-RS	DVI (Male) to HDMI(Female) converter
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

Ordering Information

Part No.	Description
VWBOX-114-R10	Up to 4092 x 768 ultra high resolution input video wall controller, 1 Dual-link DVI input, 4 Single-link DVI output (4 x 1), RoHS

VWBOX-114P

Video Wall Controller with High-Resolution Input Support

Features

- Easy-to-install, flexible combination, cost effective solution
- High-resolution display content input and output
- Non-scaling, pixel-to-pixel mapping advantage
- Support various display modes
- iNDS unique GeniMask™ bezel masking technology



Specifications

Model		VWBOX-114P-R10			
Dimensions (mm)		230 x 180 x 47			
Cooling		Fanless			
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)			
	Keypad	6 Keys			
	IR Receiver	Yes			
Rear Panel	Input	1 x DVI dual-link Input			
	Output	4 x DVI single-link Output			
	Power Switch	1 x Power (in) with lock			
	RS-232	1 x RS-232			
Resolution		Input Resolution	Output Resolution	"Vertical Hz"	"Horizontal kHz"
	Landscape mode (4x1)				
	3392x480	4 x 848x480	56	29	
	3200x600	4 x 800x600	61	38.4	
	3840x600	4 x 960x600	61	38.4	
	4092x768	4 x 1024x768	60	48.36	
	Landscape mode (3x1)				
	3072x768	3 x 1024x768	60	48.36	
	3840x800	3 x 1280x800	58	48.2	
	3840x1024	3 x 1280x1024	51	55.4	
	4080x768	3 x 1360x768	57	45.32	
	Portrait mode (1x4)				
	1024x3072	4 x 1024x768	60	48.36	
	1280x3200	4 x 1280x800	58	48.2	
	1280x4092	4 x 1280x1024	51	55.4	
	1360x3072	4 x 1360x768	57	45.32	
	Portrait mode (1x3)				
	1024x2304	3 x 1024x768	60	48.36	
	1280x2400	3 x 1280x800	58	48.2	
	1280x3072	3 x 1280x1024	51	55.4	
1360x2304	3 x 1360x768	57	45.32		
Power Consumption		10W			
Power Supply	Connector	DC Power Jack			
	Input	90VAC to 264VAC/47Hz to 63Hz			
	Output	12V DC			
OSD Function		1. Output resolution selection 2. GeniMask bezel masking contro 3. Power On/Off			
Temperature		0°C ~ 50°C			
Safety and Emission		CE, FCC			

- 1 input with 4 outputs (4x1)
- Input: Max. 4092x768 / 1360x3072
- Output: Max. 4096x768 / 1360x3072

Packing List

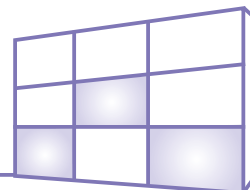
Item	VWBOX-114P
Video Wall Box	1
12VDC Power Adapter	1
Power Cord	1
IR Remote Control	1
Dual-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

Options

Part No.	Description
32000-115700-RS	Dual-link DVI-D Cable 1.8M
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-115800-RS	Dual-link DVI-D Cable 5M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-115900-RS	Dual-link DVI-D Cable 10M
32000-114101-RS	Single-link DVI-D Cable 10M
32000-000098-RS	RS-232 Cable 1.8M
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

Ordering Information

Part No.	Description
VWBOX-114P-R10	Up to 4092 x 768 ultra high resolution input video wall controller, 1 Dual-link DVI input, 4 Single-link DVI output (4 x 1), RoHS



VWBOX-122A

Video Wall Controller with High-Resolution Input Support

Features

- Easy-to-install, flexible combination, cost effective solution
- High-resolution display content input and output
- Non-scaling, pixel-to-pixel mapping advantage
- Support various display modes
- iNDS unique GeniMask™ bezel masking technology



Specifications

Model		VWBOX-122A-R10			
Dimensions(mm)		230 x 180 x 47			
Cooling		Fanless			
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)			
	Keypad	6 Keys			
	IR Receiver	Yes			
Rear Panel	Input	1 x DVI dual-link Input			
	Output	4 x DVI single-link Output			
	Power Switch	1 x Power (in) with lock			
	RS-232	1 x RS-232			
Resolution		Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)
	Full Mode (2 x 2)				
	2048x1536	(4x1024x768) x1	60	48.36	
	2560x2048	(4x1280x1024) x1	60	63.98	
	2560x1440	(4x1280x720) x1	66	49.37	
	2560x1600	(4x1280x800) x1	58	48.2	
	2720x1536	(4x1360x768) x1	57	45.32	
	3840x2160	(4x1920x1080) x1	50	56.25	
	3840x2400	(4x1920x1200) x1	50	61.75	
	Clone Mode (1 x 1)				
	1024x768	(1x1024x768) x4	60	48.36	
	Vertical Replication Mode (2 x 1)				
	2560x1024	(2x1280x1024) x2	60	63.98	
	3840x1080	(2x1920x1080) x2	50	56.25	
	3840x1200	(2x1920x1200) x2	50	61.75	
Power Consumption		10W			
Power Supply	Connector	DC Power Jack			
	Input	90VAC to 264VAC/47Hz to 63Hz			
	Output	12V DC			
OSD Function		1. Output resolution selection / 2. GeniMask bezel masking control / 3. Power On/Off / 4. Output Sync On/Off			
Temperature		0°C ~ 50°C			
Safety and Emission		CE, FCC			

- 1 Input with 4 Outputs (2x2)
- Up to 3840 x 2400 high-resolution input

Packing List

Item	VWBOX-122A
Video Wall Box	1
12VDC Power Adapter	1
Power Cord	1
IR Remote Control	1
Dual-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

Options

Part No.	Description
32000-115700-RS	Dual-link DVI-D Cable 1.8M
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-115800-RS	Dual-link DVI-D Cable 5M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-115900-RS	Dual-link DVI-D Cable 10M
32000-114101-RS	Single-link DVI-D Cable 10M
32000-000098-RS	RS-232 Cable 1.8M
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

Ordering Information

Part No.	Description
VWBOX-122A-R10	Up to 3840 x 2400 ultra high resolution input video wall controller, 1 Dual-link DVI input, 4 Single-link DVI output (2 x 2), RoHS

VWBOX-133A

Video Wall Controller with High-Resolution Input Support

Features

- Easy-to-install, flexible combination, cost effective solution
- High-resolution display content input and output
- Non-scaling, pixel-to-pixel mapping advantage
- Support various display modes
- iNDS unique GeniMask™ bezel masking technology



Specifications

Model		VWBOX-133A-R10			
Dimensions(mm) (W x D x H)		295 x 188 x 47			
Cooling		Fanless			
Front Panel	LED Light	11 x LED (1x Input, 9x Output, 1 x Power)			
	Keypad	6 Keys			
	IR	Yes			
	Receiver				
Rear Panel	Input	1 x DVI dual-link Input			
	Output	9 x DVI single-link Output			
	Power Switch	1 x Power (in) with lock			
	RS-232	1 x RS-232			
Resolution		Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)
		Full Mode (3 x 3)			
		3072x2304	(9x1024x768) x1	60	48.36
		3840x2160	(9x1280x720) x1	66	49.37
		3840x2400	(9x1280x800) x1	58	48.2
		3840x3072	(9x1280x1024) x1	60	63.98
		4080x2304	(9x1360x768) x1	57	45.32
		Full Mode (2 x 3)			
		2048x2304	(6x1024x768) x1	60	48.36
		2560x2400	(6x1280x800) x1	58	48.2
		2560x3072	(6x1280x1024) x1	60	63.98
		2720x2304	(6x1360x768) x1	57	45.32
		Full Mode (3 x 2)			
		3072x1536	(6x1024x768) x1	60	48.36
		3840x1600	(6x1280x800) x1	58	48.2
		3840x2048	(6x1280x1024) x1	60	63.98
		4080x1536	(6x1360x768) x1	57	45.32
Power Consumption	17W				
Power Supply	Connector	DC Power Jack			
	Input	90VAC to 264VAC/47Hz to 63Hz			
	Output	12V DC			
OSD Function	1. Output resolution selection 2. GeniMask bezel masking control 3. Power On/Off 4. Output Sync On/Off				
Temperature	0°C ~ 50°C				
Safety and Emission	CE, FCC, and CCC				

- 1 input with 9 outputs (3x3)
- Support (3x3) & (3x2) / (2x3) output selection
- Up to 3840 x 3072(5:4) / 4080 x 2304 (16:9) high-resolution input

Packing List

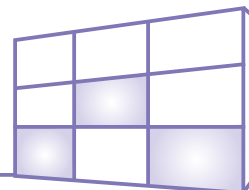
Item	VWBOX-133A
Video Wall Box	1
12VDC Power Adapter	1
Power Cord	1
IR Remote Control	1
Dual-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

Options

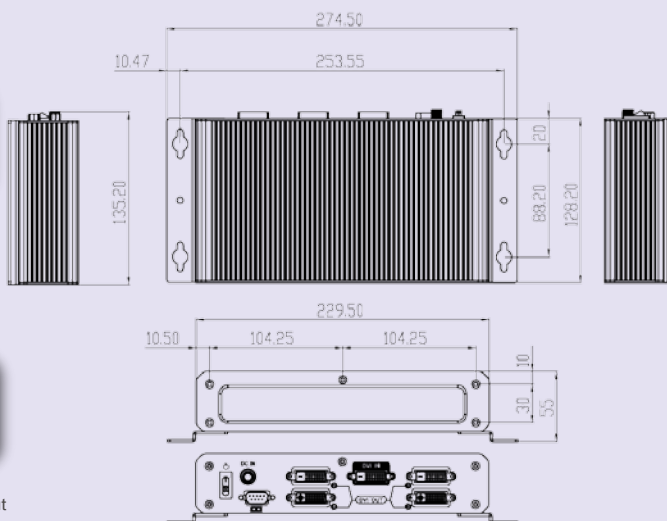
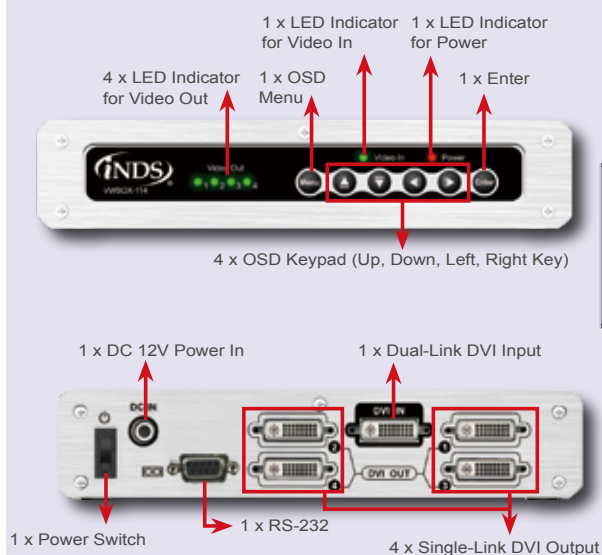
Part No.	Description
32000-115700-RS	Dual-link DVI-D Cable 1.8M
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-115800-RS	Dual-link DVI-D Cable 5M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-115900-RS	Dual-link DVI-D Cable 10M
32000-114101-RS	Single-link DVI-D Cable 10M
32000-000098-RS	RS-232 Cable 1.8M
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

Ordering Information

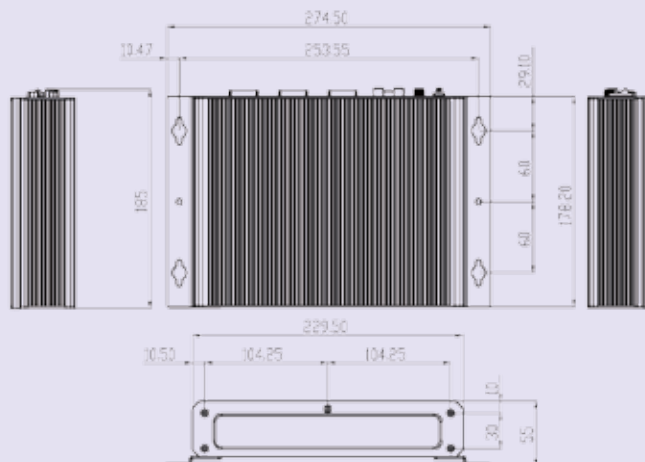
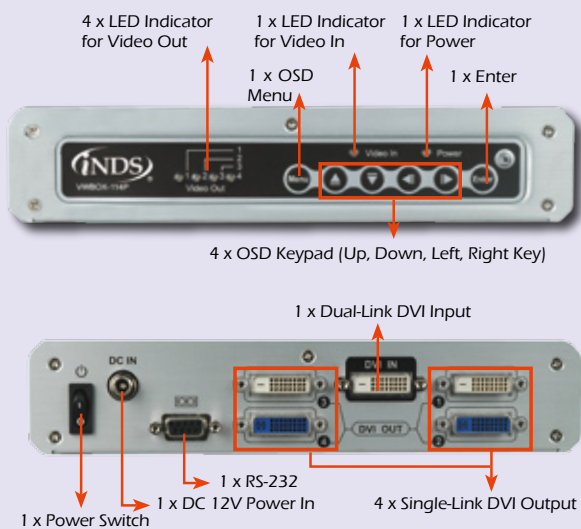
Part No.	Description
VWBOX-133A-R10	Up to 3840 x 3072 ultra high resolution input video wall controller, 1 Dual-link DVI input, 9 Single-link DVI output (3 x 3), RoHS



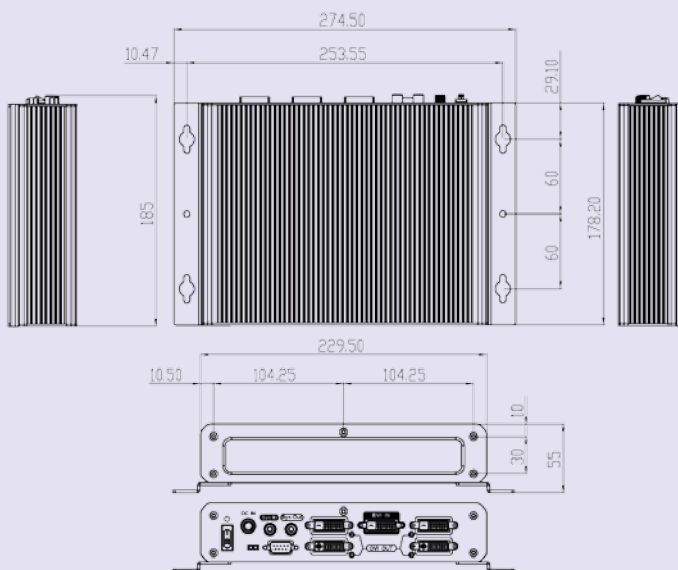
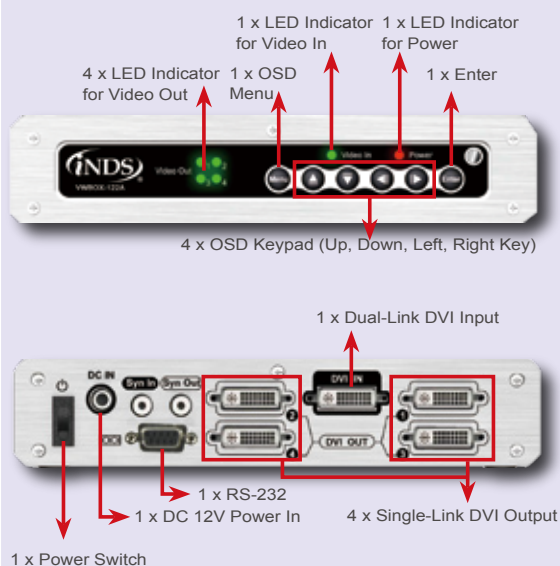
Dimensions (VWBOX-114)



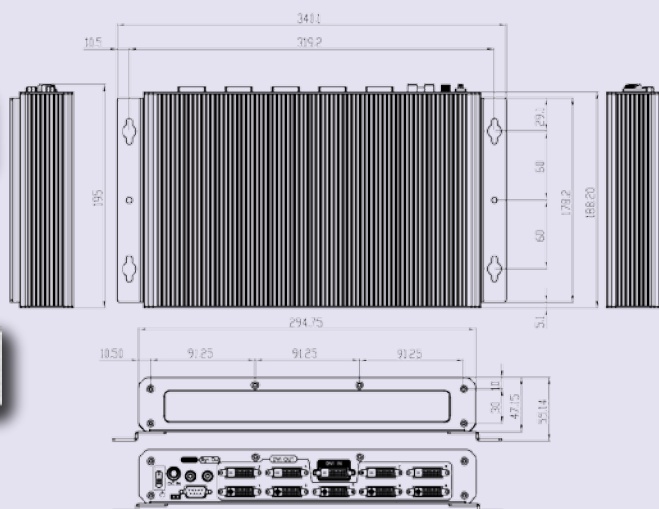
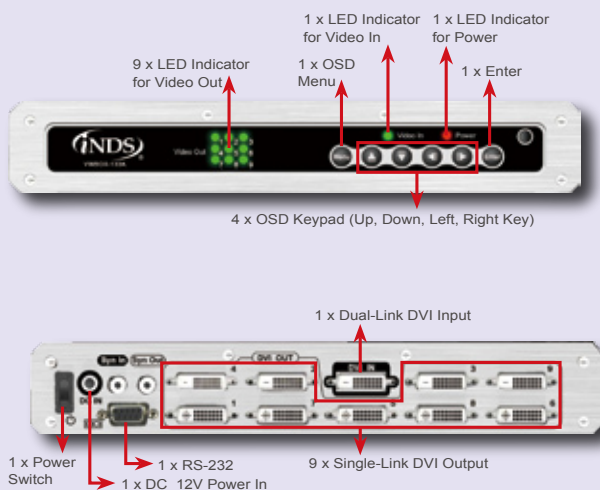
Dimensions (VWBOX-114P)

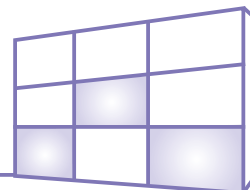


Dimensions (VWBOX-122A)



Dimensions (VWBOX-133A)





How to work with your PC for Ultra High Resolution

► Set Up Process

STEP1

**Connect Your Video
Wall To The iNDS
VWBOX**

» According to the final image, set up the monitors in sequence
*Remark: The number is the DVI output port number on VWBOX for 90° clockwise rotation video wall setup, and the number in () is for 90° counterclockwise rotation. The rotation may vary depending on the support of graphic card & its driver.



VWBOX-112A

Landscape (2x2)

1	2
3	4

Portrait* (2x2)

3 (2)	1 (4)
4 (1)	2 (3)



VWBOX-114

Landscape (3x1)

1	2	3
---	---	---

Landscape (4x1)

1	2	3	4
---	---	---	---

Portrait* (1x3)

1 (3)
2 (2)
3 (1)

Portrait* (1x4)

1 (4)
2 (3)
3 (3)
4 (1)

VWBOX-133A



Landscape (3x3)

1	2	3
4	5	6
7	8	9

Landscape (2x3)

1	2
4	5
7	8

Landscape (3x2)

1	2	3
4	5	6

Portrait* (3x3)

7 (3)	4 (6)	1 (9)
8 (2)	5 (5)	2 (8)
9 (1)	6 (4)	3 (7)

Portrait* (3x2)

7 (2)	4 (5)	1 (8)
8 (1)	5 (4)	2 (7)

Portrait* (2x3)

4 (3)	1 (6)
5 (2)	2 (5)
6 (1)	3 (4)

VWBOX-114P



Portrait Set Up

* Portrait Monitor (3x1) / Horizontal Span

3 (1)	2 (2)	1 (3)
-------	-------	-------

* Portrait Monitor (4x1) / Horizontal Span

4 (1)	3 (2)	2 (3)	1 (4)
-------	-------	-------	-------

Landscape Monitor (1x4) / Vertical Span

1
2
3
4

Landscape Monitor (1x3) / Vertical Span

1
2
3

Landscape Set Up

Landscape Monitor (3x1) / Horizontal Span

1	2	3
---	---	---

Landscape Monitor (4x1) / Horizontal Span

1	2	3	4
---	---	---	---

* Portrait Monitor (1x4) / Vertical Span

1 (4)
2 (3)
3 (3)
4 (1)

* Portrait Monitor (1x3) / Vertical Span

1 (3)
2 (2)
3 (1)

How to Extend for VWBOX System

► Applications

Flexible Expansion

To create a truly large video wall with minimum resources, the video boxes can be connected in series to easily expand to a really large setup as shown in the diagrams below.

STEP1

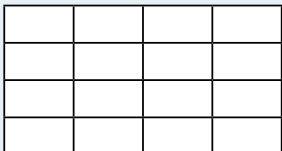


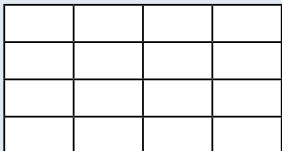


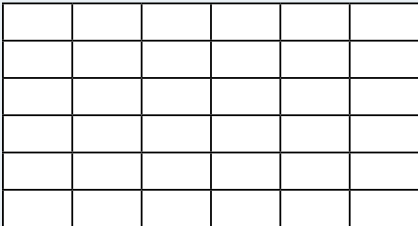


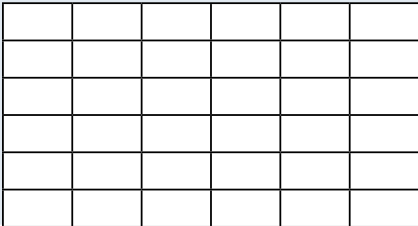


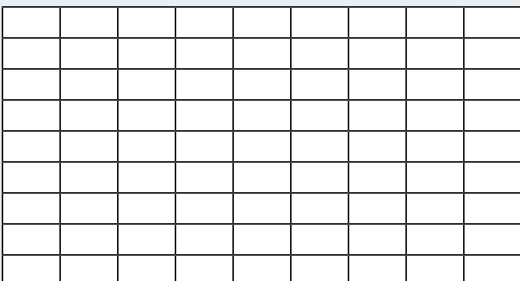


Choose the Video Wall Matrix

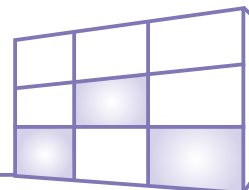
STEP2

Choose the Input Resolution

STEP3

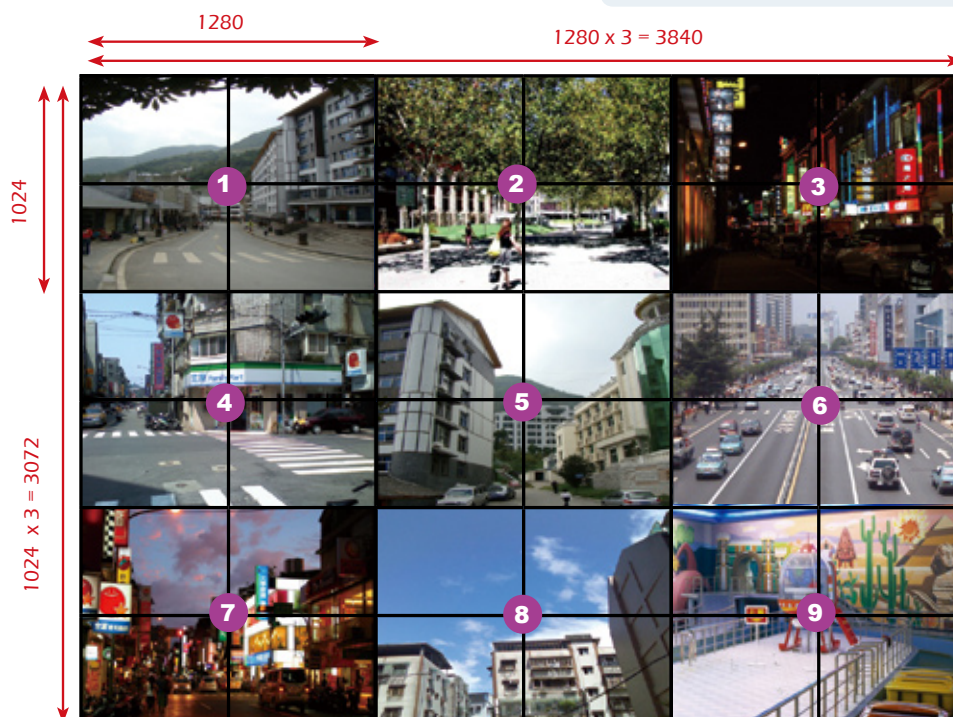
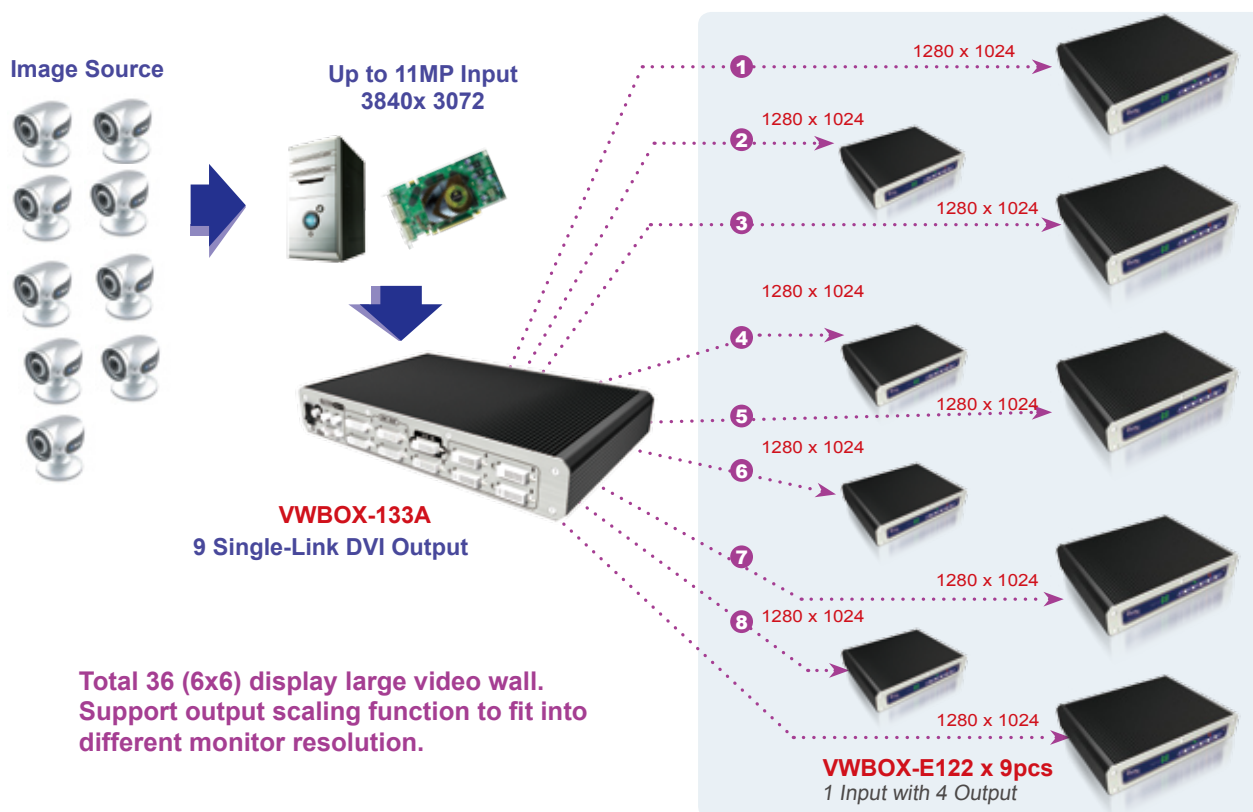
Decide the VWBOX Connection

Choose the Video Wall Matrix	Choose the Input Resolution	First Layer	Second Layer
<p>4 x 4</p> 	<p>Max. Image Resolution: 1920 x 1200 Image Input Cable: Single-link DVI-D Image Output Cable: Single-link DVI-D</p>	<p>VWBOX-E122</p> 	<p>VWBOX-E122 x 4 pcs</p> 
<p>4 x 4</p> 	<p>Max. Image Resolution: 3840 x 2400 Image Input Cable: Dual-link DVI-D Image Output Cable: Single-link DVI-D</p>	<p>VWBOX-122A</p> 	<p>VWBOX-E122 x 4 pcs</p> 
<p>6 x 6</p> 	<p>Max. Image Resolution: 1920 x 1200 Image Input Cable: Single-link DVI-D Image Output Cable: Single-link DVI-D</p>	<p>VWBOX-E133</p> 	<p>VWBOX-E122 x 9 pcs</p>  <p>... Total 9 pcs</p>
<p>6 x 6</p> 	<p>Max. Image Resolution: 3840 x 3072 Image Input Cable: Dual-link DVI-D Image Output Cable: Single-link DVI-D</p>	<p>VWBOX-133A</p> 	<p>VWBOX-E122 x 9 pcs</p>  <p>... Total 9 pcs</p>
<p>9 x 9</p> 	<p>Max. Image Resolution: 3840 x 3072 Image Input Cable: Dual-link DVI-D Image Output Cable: Single-link DVI-D</p>	<p>VWBOX-133A</p> 	<p>VWBOX-E133 x 9 pcs</p>  <p>... Total 9 pcs</p>



36-Panel Video Wall for Security Monitoring Application

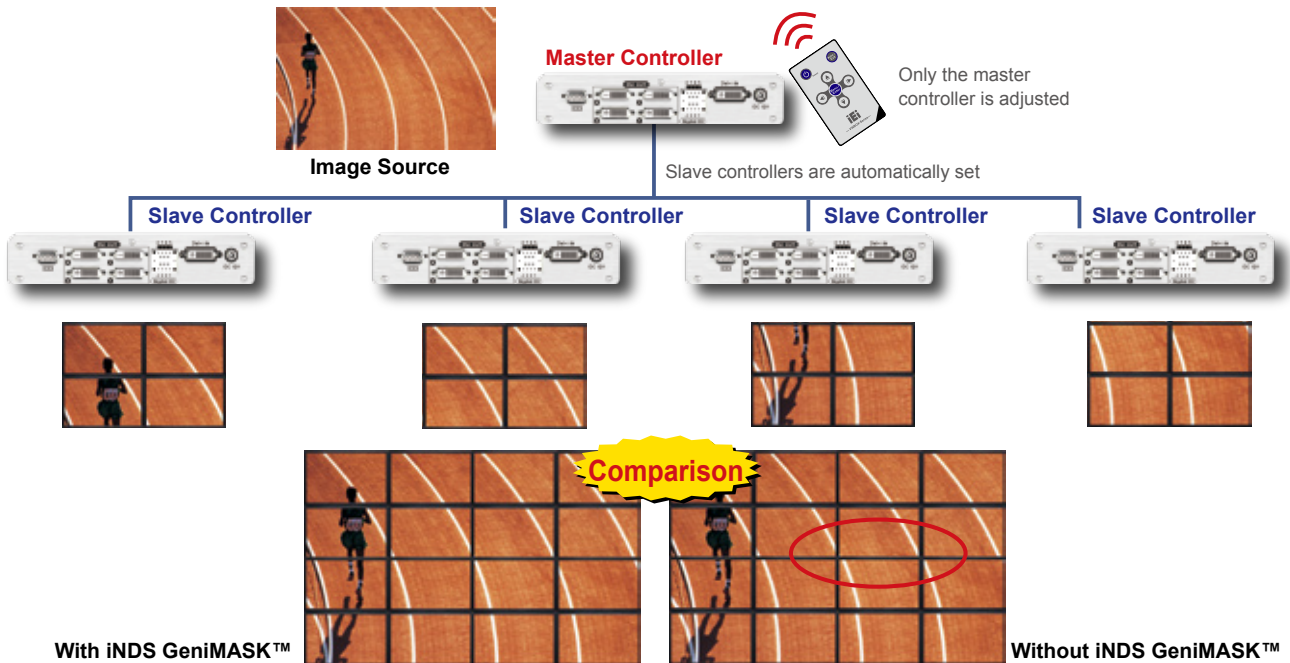
Combining one iNDS's VWBOX-133A and nine VWBOX-E122 expands the video wall architecture up to 36 screens, bringing high-resolution video content and cost-effective advantage to large-scale display wall for security monitoring application.



Unique GeniMASK™ Technology



GeniMASK™ adjusts the mask settings of all the video box controllers. Adjusting each video box individually is time-consuming, but with GeniMASK™ technology, and the included remote control, they can all be adjusted as easily as changing channels on a TV. No need for separate adjustments, just set once, and it's done.



GeniMASK™ Adjustment

iNDS provides three utilities to adjust the mask setting. Turn on the "Mask Control" and set up the "Mask Value".

1. By IR Remote Control



3. By Smart Software OSD (via DDC/RS-232 interface)

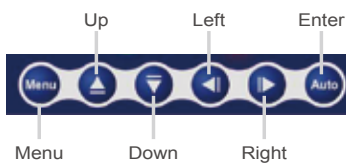


For VWBOX-E122/E133



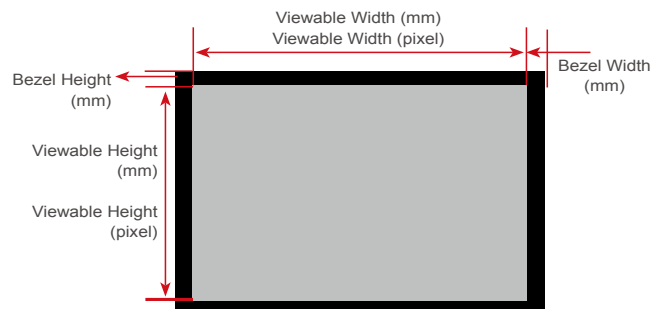
For VWBOX-114/122A/133A

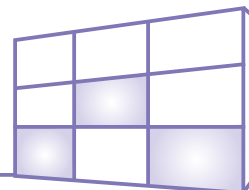
2. By Hardware OSD Keypad



(Hotkeys for VWBOX-E122/E133:

- Factory reset : Left+Auto
- Lock /Unlock key: Right +Auto)



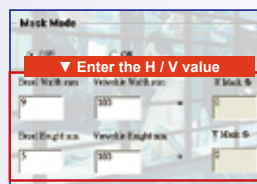


Type 1 Set Up the H/V Mask Value (for VWBOX-E122 /E133 Series)

Calculate the H/V Mask Value

$$\text{Value of H(\%)} = \frac{\text{Bezel Width (mm)}}{\text{Viewable Width (mm)}} \times 100$$

$$\text{Value of V(\%)} = \frac{\text{Bezel Height (mm)}}{\text{Viewable Height (mm)}} \times 100$$



OSD menu for VWBOX-E122/E133

Type 2 Set Up the X/Y Mask Value (for VWBOX-114/122A/133A Series)

Calculate the X/Y Mask Setting

$$\text{Value of X} = \frac{\text{Bezel Width (mm)}}{\text{Viewable Width (mm)}} \times \frac{\text{Viewable Width (pixel)}}{4}$$

$$\text{Value of Y} = \frac{\text{Bezel Height (mm)}}{\text{Viewable Height (mm)}} \times \frac{\text{Viewable Height (pixel)}}{4}$$

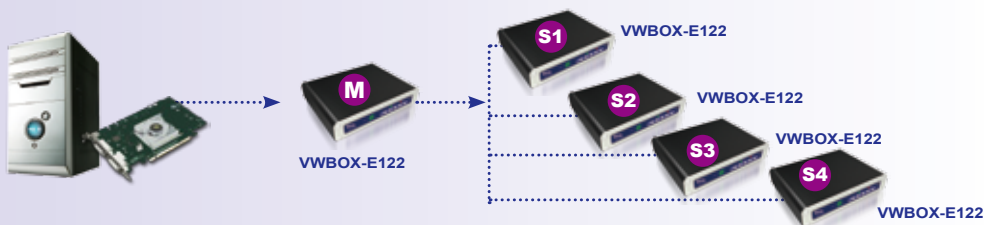


OSD menu for VWBOX-114/122A/133A

Example

Master Controller: VWBOX-122A
Slave Controllers: 4 x VWBOX-E122

PC & Dual-link DVI graphic card



STEP1

Select Mask
On / Off



STEP2

Calculate & Enter the
Mask Value



1

Set only once on the master controller & choose "LNK On".

The slave controllers are automatically adjusted with the master controller.

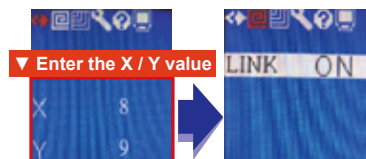
For Master Controller

$$\text{Value of X} = \frac{10.29}{337.92} \times \frac{1024}{4} = 8$$

(Player M)

$$\text{Value of Y} = \frac{13.082}{270.336} \times \frac{768}{4} = 9$$

(Player M)



~ No need to set mask on S1-S4 ~

2

Set up the master & slave controllers separately according to various display images by choosing "LNK OFF"

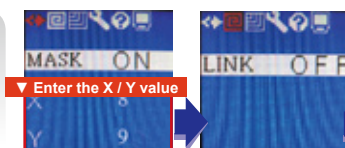
For Master Controller

$$\text{Value of X} = \frac{10.29}{337.92} \times \frac{1024}{4} = 8$$

(Player M)

$$\text{Value of Y} = \frac{13.082}{270.336} \times \frac{768}{4} = 9$$

(Player M)



For Slave Controllers

Set up mask value separately from DVI output 1 to DVI output 4



iSignager Video Wall System

►Solution



iSignager-1000

Input:

iNDS iSignager- player
Digital Signage Player & 1 Cost-Effective Dual-link DVI Graphic Card

High-Resolution Video Wall Splitter

1 Dual-Link DVI Input



VWBOX-133A

Up to 11MP (3840x 3072, 5:4)/
9.4MP (4080x 2304, 16:9) Input

9 Single-Link DVI Output



VWBOX-122A

Up to 9.2MP (3840x 2400) Input

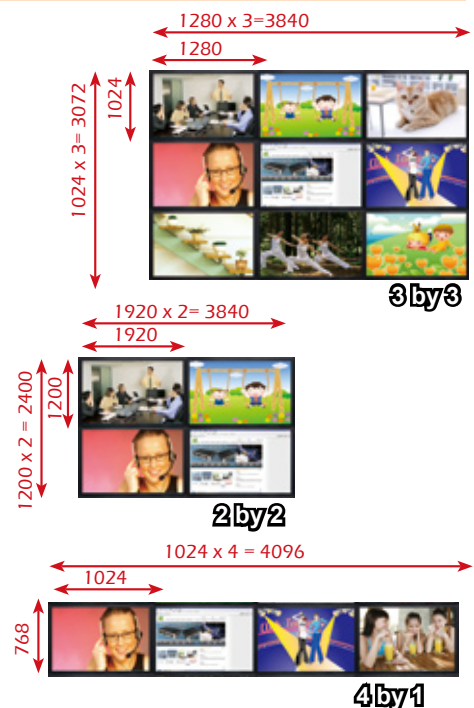
9 Single-Link DVI Output

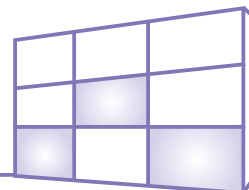


VWBOX-114

Up to 3.2MP (4092x 768) Input

9 Single-Link DVI Output

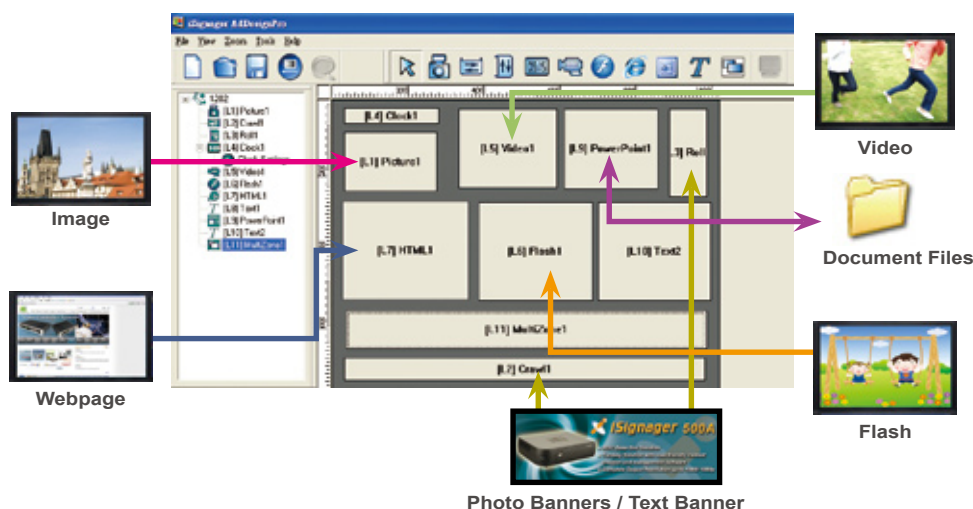




The iNDS Content Creation

Support Unlimited Multiple Formats of Video Wall Display Content

iNDS provides optional iSignager AdDesign V4.x, the content creation and control software, for easy-design your video wall layout. The AdDesign V4.x is an open X86 structure supporting flexible media contents, including webpage, flash, video, text banner for broadcasting. The iSignager AdDesign V4.x flexibly supports 4x1, 2x2, 3x3 or more multiple content zone.



Quick Allocation of Video Wall Display Content

• For General User

Design customized layout by iSignager AdDesign V4.x Software

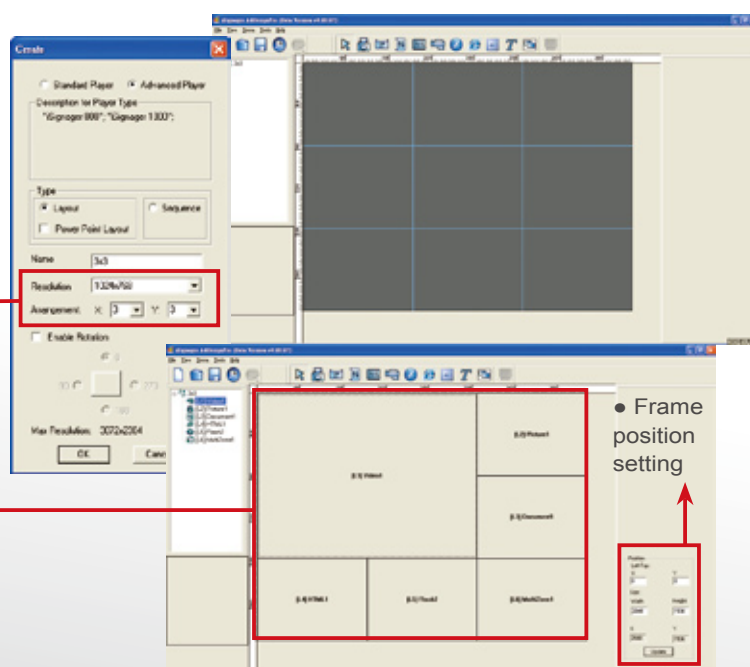
The iNDS digital signage software "iSignager AdDesign V4.x" allows the multiple content layout design. It is helpful to create a multiple layout for video wall application. Users can easily build the single or traversed or even independent media zones.

Video wall setup

- Resolution setting
- Arrangement setting

Video wall content design

- Full screen single image
- Allocate the layout of multiple images



VW-DEMOKIT for Your Promotion

Modularized Video Wall Development Cart



4x1 Content Display Zone

Perfect for landscape images and flash

4x4 Content Display Zone

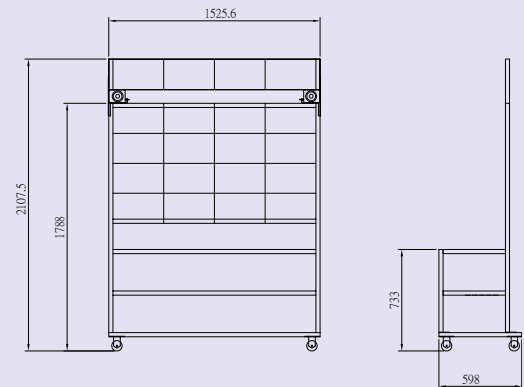
- Best suited for displaying images, video files and webpages
- Flexible selection of 2x2 /3x3 display content when connecting different iNDS video boxes
- Twenty 15.6" LCD monitors with 1366 x 768 resolution, suitable for general TV playback

Multi-Layer Working Tables

(* Video boxes and input devices are not included)

- Layer 1 : iNDS video wall controllers
- Layer 2 : Input devices
- Layer 3 : Product catalogues for demonstration purposes

Dimensions



5 Reasons to Get the Demonstration Kit

► Integrated Multi-Purpose Cart for Easy Content Development

The iNDS video box demonstration kit is built with twenty 15.6" LCD monitors, with a resolution of 1366 x 768 per monitor. The demonstration kit provides engineers with a content design platform. Real-time display of content on multiple monitors allows instant feedback and quicker design times.



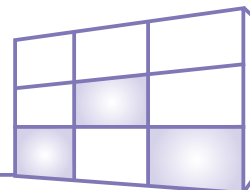
◄ Quick Installation

The design of the demonstration kit allows quick installation, and the design allows all the cables to be tucked neatly away into the frame.



◄ Designed for Mobility

The demonstration kit comes with four wheels so it can be moved around easily for customer demonstrations. The cables are also tucked away for even easier movement.



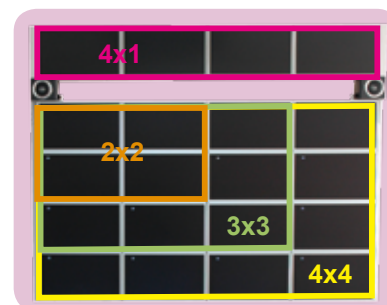
► Suitable for Designing any Video Wall Setup

The video wall demonstration kit supports any video wall combination that can fit in the 4x4 monitor setup. The video display can be altered by changing the connected video boxes and connecting them to different monitors.



◀ Multiple Shelves for Hassle-Free Movement

Three shelves give plenty of space for all equipment necessary for product demonstration. The top shelf is for the video boxes. The middle shelf layer is for any input devices or peripherals, like digital signage players, a PC or gaming console. The bottom layer is for product catalogues or other design tools.



Video Wall Demonstration Kit

► Packages

The digital signage package includes a management server, a digital signage player and content creation software. Combining the digital signage equipment with the video wall demonstration kit, designing customized content for video walls is a breeze.



IS-ADMIN-BOX

Management server with Built-in Content Creation Software



iSignager-Player

X-86 Based Digital Signage Player

VW-DEMOKIT



Recommend Package for VW-DEMOKIT

Item	Packing List
VW-COMBO	<ul style="list-style-type: none"> VWBOX-122A-R10 x 1 pcs VWBOX-E122/DVI-R10 x 4 pcs VWBOX-114-R10 x 1 pcs ISIGNAGER-1000-Q354/E8400/2GB/320G-R10 x 1 pcs IS-ADMIN-BOX-CD352/DESKTOP/BASIC-R10 x 1 pcs

Ordering Information

Item	Description	Packing List
VW-DEMOKIT	Video Wall demo kit, including 20pcs (4x4 plus 4x1) 15.6" LCD monitors	<ul style="list-style-type: none"> 15.6" Panel x 20 pcs Single-Link DVI Cable x 20 pcs Video Wall Demo Cart (Metal) x 1 set

Options

Item	Description
VWBOX-E122/DVI-R10	Up to 1920 x 1200 input resolution , 2 by 2 Video Wall Control BOX, 1 x DVI Input, 4 x DVI Output
VWBOX-E133-R10	Up to 1920 x 1200 input resolution , 3 by 3 Video Wall Control BOX, 1 x DVI Input, 9 x DVI Output
VWBOX-122A-R10	Up to 3840 x 2400 input resolution, 2 by 2 Video Wall Control BOX, 1 x DVI Input, 4 x DVI Output
VWBOX-133A-R10	Up to 3840 x 3072 input resolution, 3 by 3 Video Wall Control BOX, 1 x DVI Input, 9 x DVI Output
VWBOX-114-R10	Up to 4092 x 768 input resolution, 4 by 1 Video Wall Control BOX, 1 x DVI Input, 4 x DVI Output
ISIGNAGER-1000-Q354/E8400/2GB/320G-R10	X86 Digital Signage Player with Intel® Core™ 2 Duo 3.0GHz/ 6MB L2 cache Processor E8400, 2GB DDR2 memory, 4GB CF card with built-in Windows Embedded XP Standard OS, 3.5" SATA HDD 320G, built-in 802.11 b/g wireless LAN, Black color, RoHS
IS-ADMIN-BOX-CD352/DESKTOP/BASIC-R10	iSignager AdMinistrator V 4.X with Embedded System Intel® Pentium® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352, 1GB DDR2 memory, built-in 2.5" HDD 160G, with Windows Embedded XP Pro OS, with CD & license for 10 players, Silver color

Digital signage / POS / Video Wall controllor



*Specifications are subject to change without prior notice.



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