Synergy Global Technology Inc

www. RackmountMart.com

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User Manual   32" Widescreen LCD

ID-32Aw

Aluminum front bezel

ID-32AwN

Front NEMA4 / IP65

ID-32Pw

Universal Mounting Open Frame

FC   CE   RoHS   REACH

Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

Before Installation

■ It is very important to mount the equipment in a suitable cabinet or on a stable surface.

■ Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

How To Clean Your LCD Monitor

⚠ Caution :

■ To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.

■ When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.

■ Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.

■ Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.

■ Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

① Disconnect the power cord.

② Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

① Disconnect the power cord.

② Spray a small amount of non-abrasive cleanser on a microfiber cloth.

⚠ **Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.**

③ Gently wipe the surface. Use as little pressure as possible.

④ Wait until your monitor is completely dry before plugging it in and powering it up.

ID-32Aw / ID-32AwN

32" Widescreen LCD display X 1

6ft VGA cable X 1

Power cord X 1

Remote controller X 1

Wall-mount bracket set X 1

Basic I/O

HDMI	VGA	Video out	S-Video	Y Pb Pr	PC Audio
		Video 1		Video 2	in out

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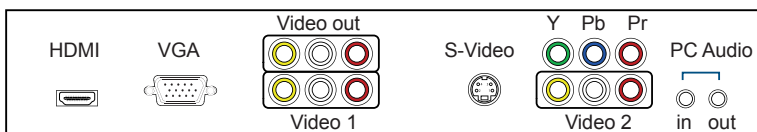
< 1.2 > Structure Diagram - ID-32Aw / ID-32AwN

Front view

Bottom view

Rear view

① Rear case

② LCD panel

③ 6mm aluminum front bazel

④ LCD membrane

⑤ Wall-mount bracket

⑥ Audio speaker, pair

⑦ Remote sensor
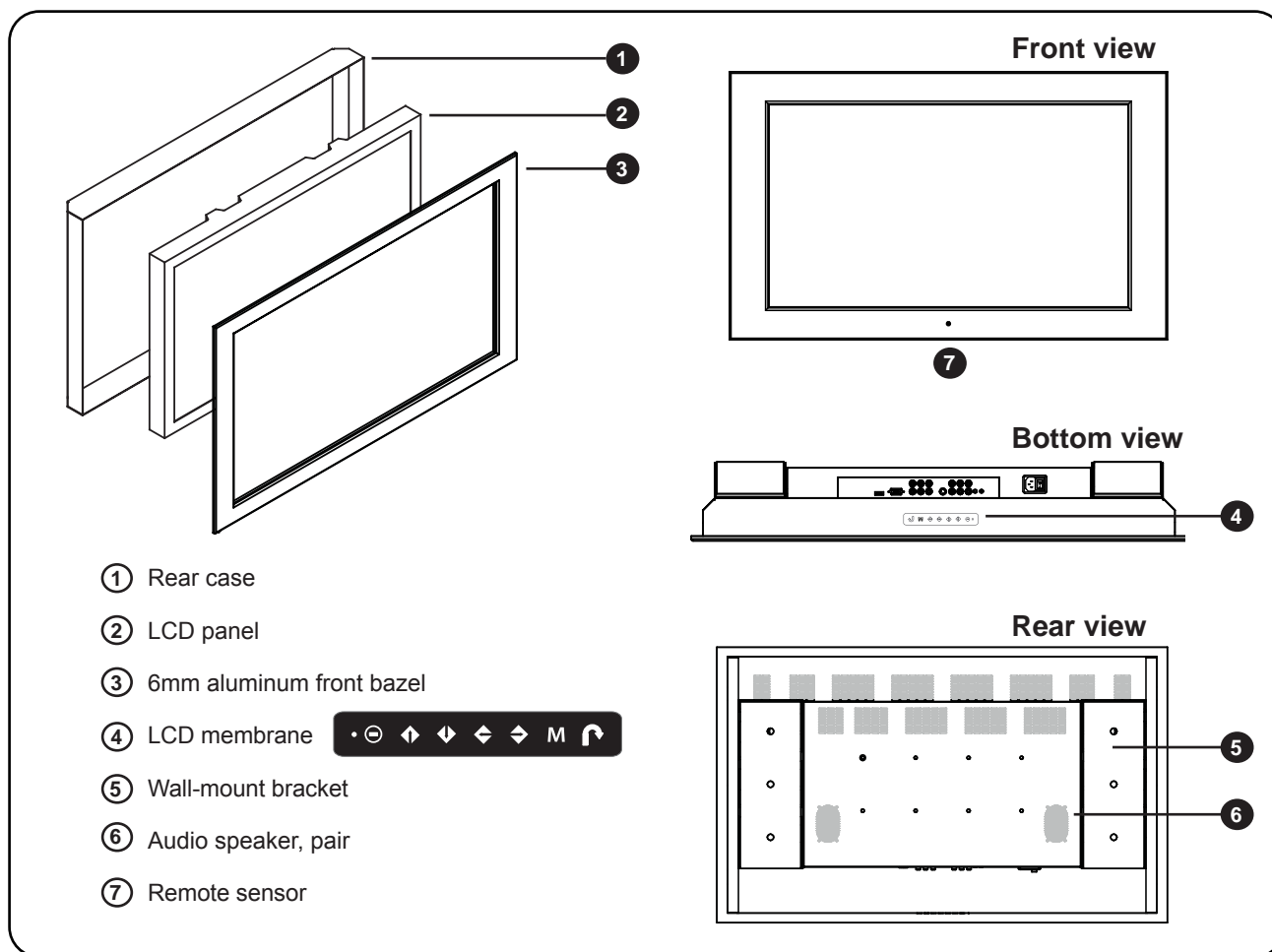
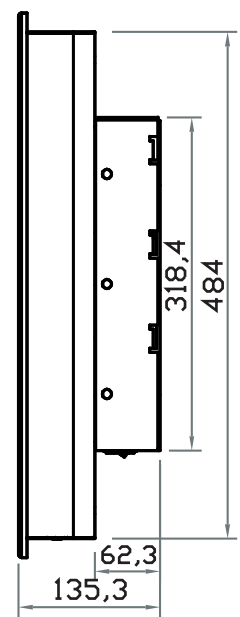| Model	Product Dimension (W x D x H)	Net Weight
ID-32Aw	850 x 135.3 x 520 mm 33.5 x 5.3 x 20.5 inch	23 kg 50.6 lbs
ID-32AwN	850 x 135.3 x 520 mm 33.5 x 5.3 x 20.5 inch	26.3 kg 57.9 lbs

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Front View

Side View

396

520

700

850

318,4

484

62,3

135,3
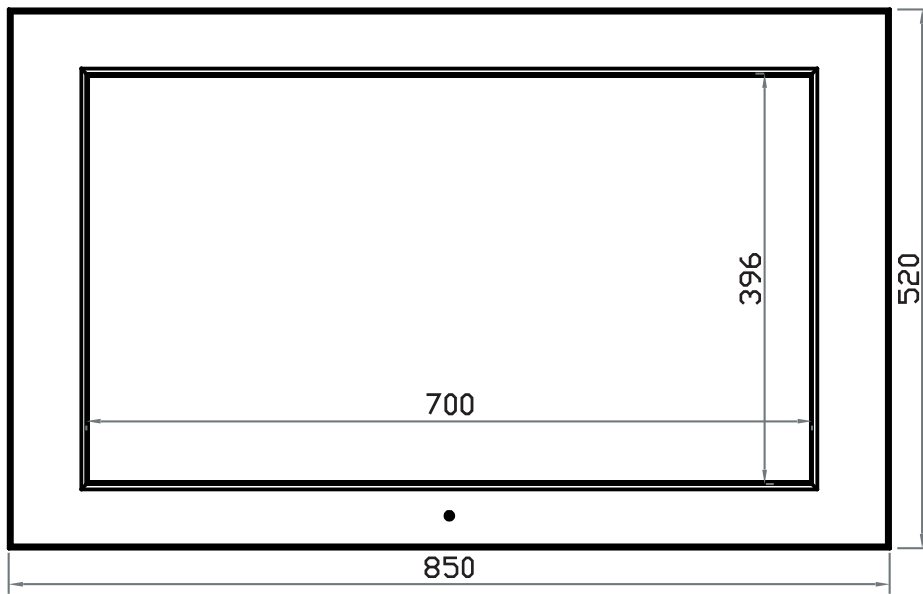
Rear View

UNIT : mm
1mm = 0.03937 inch

100

100

100

6-ø12

M6*8pcs

312,4

484

524

810

Bottom View

850

65

135,3

52,3

524

769,4

810
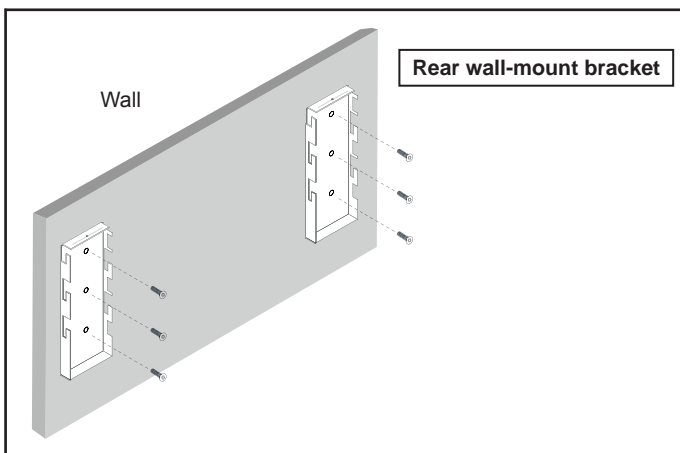
< 1.3 > Wall-mount Installation - ID-32Aw / ID-32AwN
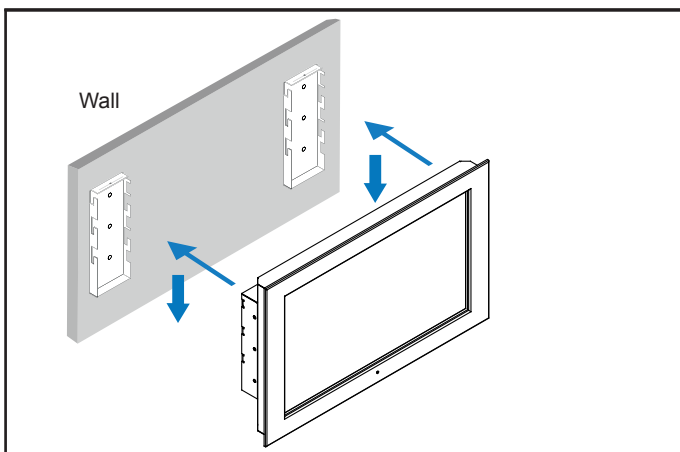
Front wall-mount bracket
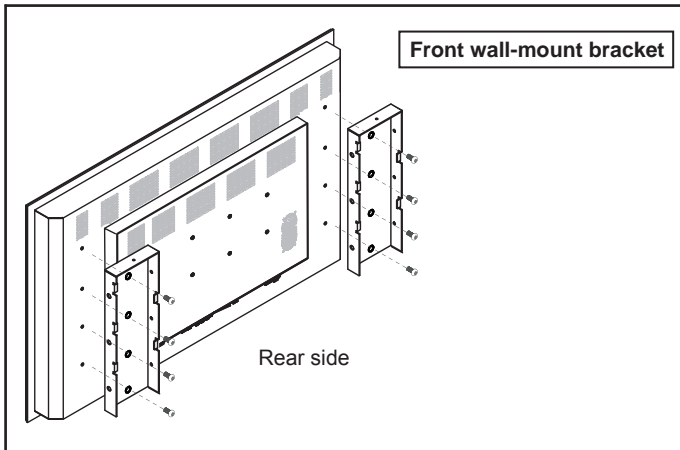
Rear side

Step 1

- Install left & right front wall-mount brackets at the rear side of the LCD shown above.

- M5 screw x 8 pcs included (Left & right side).
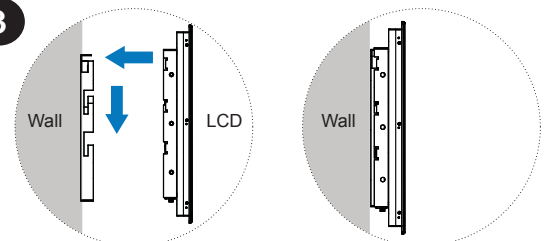
Rear wall-mount bracket

Wall

Step 2

- Install left & right rear wall-mount brackets on the wall shown above.

- 6 x M10 screws required (Left & right side).

M10 screw sets are not provided.

Wall

Step 3

Wall   LCD   Wall

- Attach the LCD to the rear wall-mount brackets on the wall.
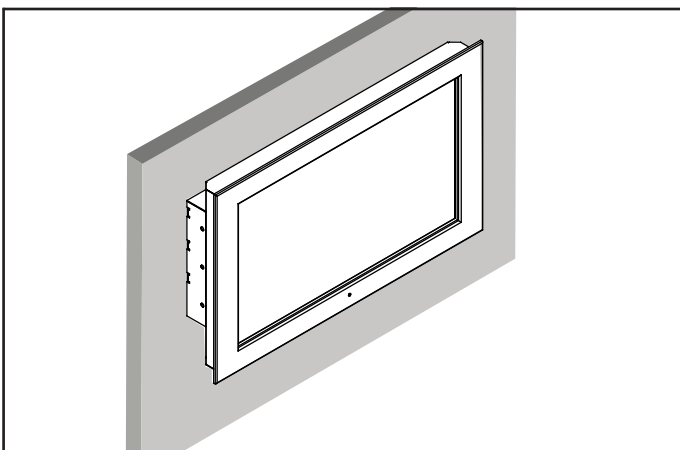
Step 4

Installation Completed.

< 1.3 > VESA Installation - ID-32Aw / ID-32AwN

100

M6 screw
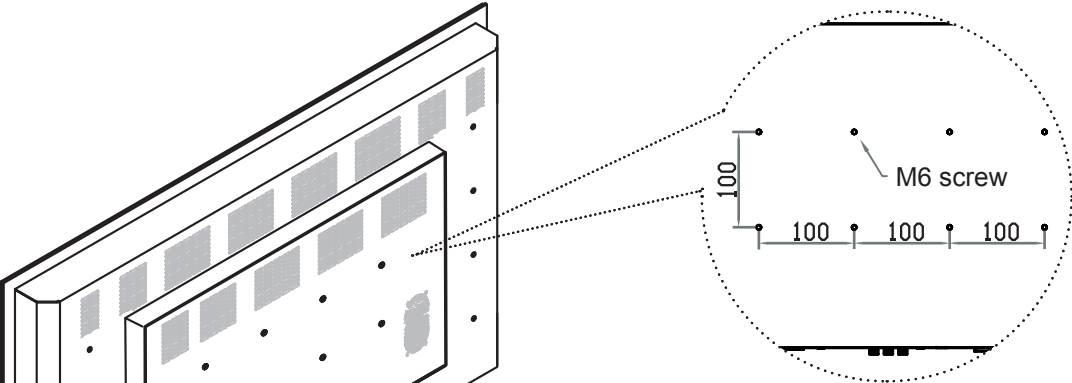
100   100   100

VESA mount (100*100mm)

■ Hardware and M6*8 pcs for VESA mount are not provided

< Part 2 >
< 2.1 > Package Content - ID-32Pw

ID-32Pw

32" Widescreen LCD display X 1

6ft VGA cable X 1

Power cord X 1

Remote controller X 1

Basic I/O

HDMI	VGA	Video out	S-Video	Y Pb Pr	PC Audio
		Video 1		Video 2	in out

Front view

ID-32Pw

Bottom view

Rear view

① Rear case

② LCD panel

③ Universal open frame mounting

④ LCD membrane · ⊖ ⬧ ⬧ ⬧ ⬧ M ↵

⑤ Audio speaker, pair
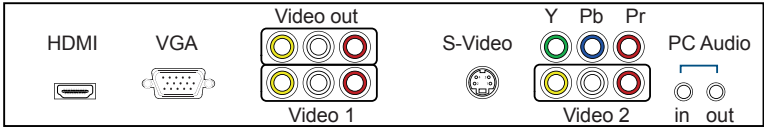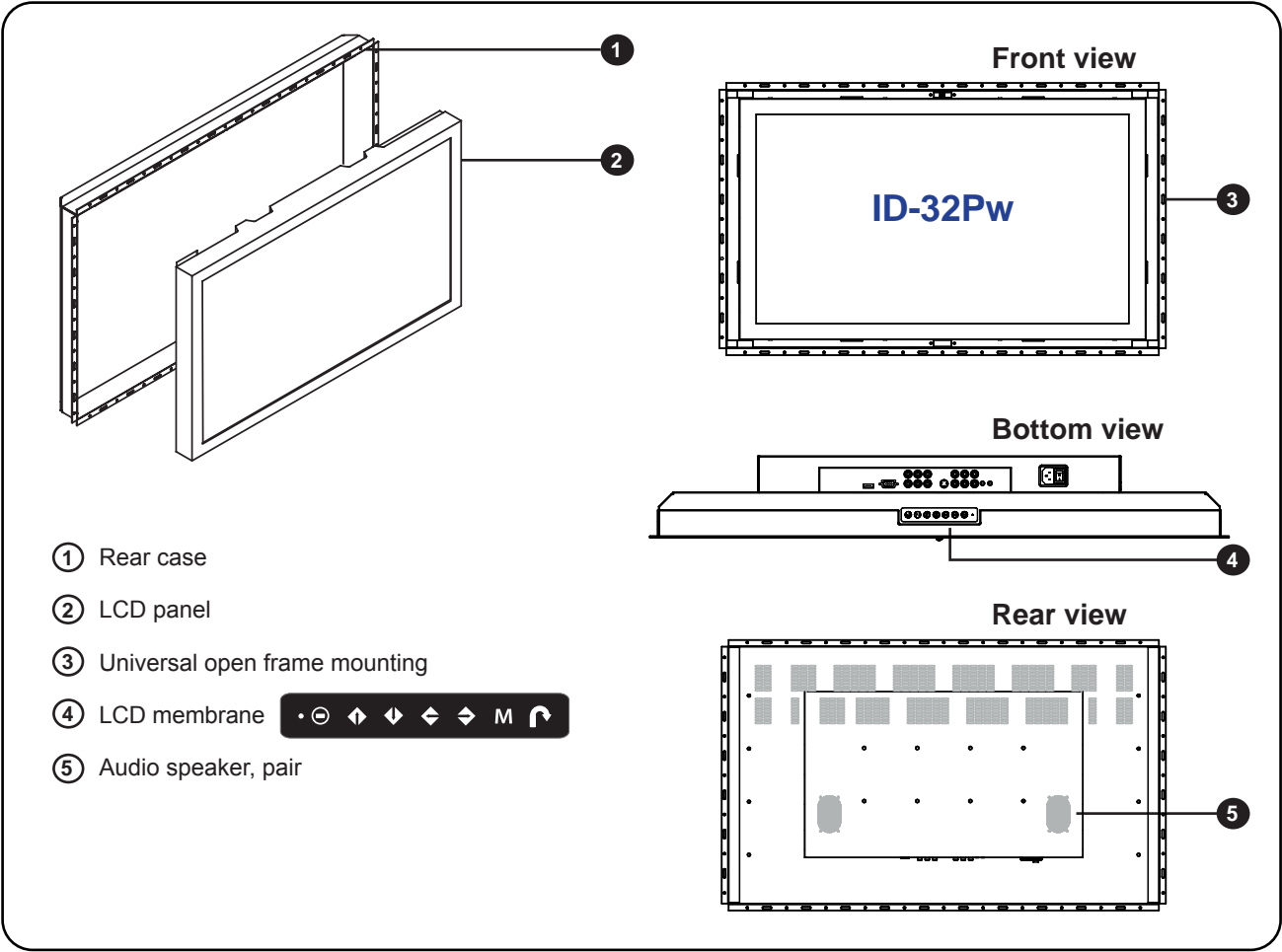
Model	Product Dimension (W x D x H)	Net Weight
ID-32Pw	836 x 117.3 x 510 mm 32.9 x 4.6 x 20.1 inch	16.9 kg 37.2 lbs

< 2.3 > Dimension - ID-32Pw

Front View

ID-32Pw

Ø4

17.5

4

700

396

510

20

37 (×multiple)

20

35 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 35

836

Side View

312.4

484

52.3

117.3

Rear View

M5*8pcs

M6*8pcs

100

100

100

100

100

100

312.4

484

524

810
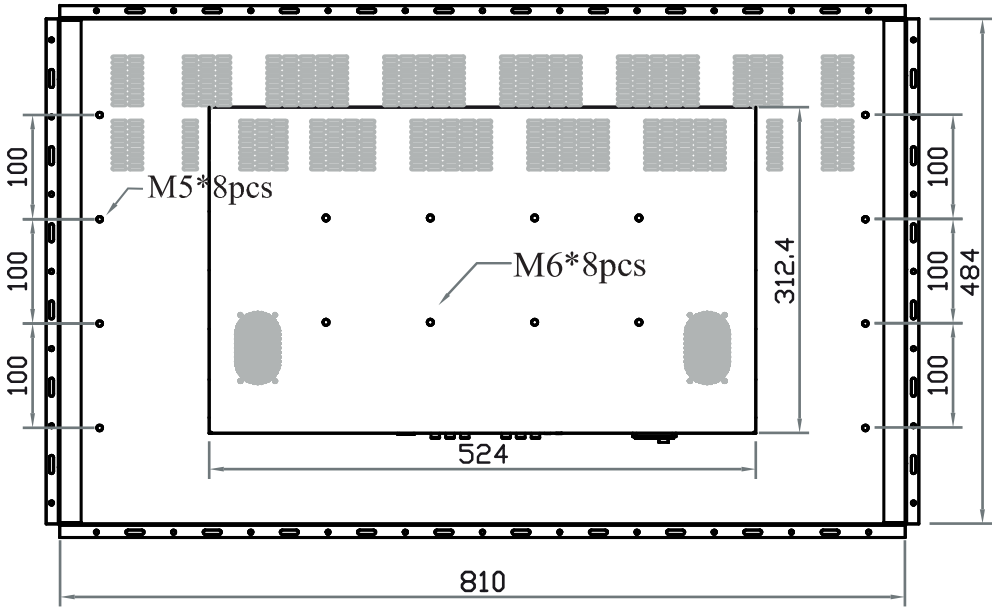
UNIT : mm

1mm = 0.03937 inch

Bottom View

836

117.3

52.3

524

810

(I) Universal mount

(II) VESA mount (100*100mm)

M6 screw

100

100   100   100

■ Hardware and M6*8 pcs for VESA mount are not provided
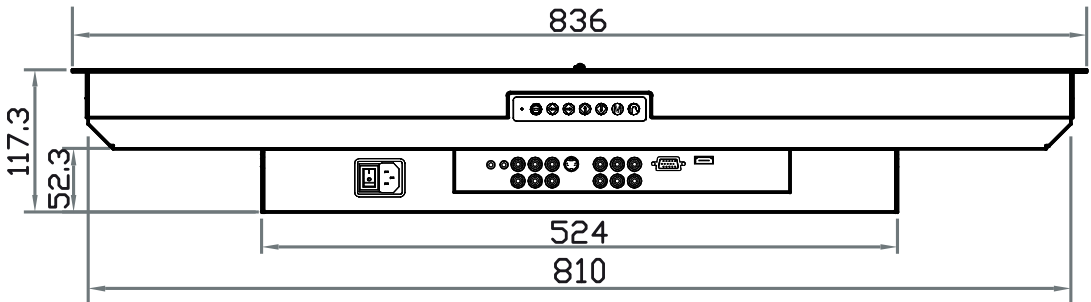
< 3.1 > Product Specifications

Mechanical Design		ID-32Aw / ID-32AwN	ID-32Pw
	Front Panel	Black, RAL 9005	-
	Rear Casing	Black, RAL 9005	Black, RAL 9005
	VESA Mounting	100 x 100mm	100 x 100mm
	Other Mounting	Panel mount	Universal mount
	Protection	3mm protective glass	-

LCD Panel		
	Manufacturer	SAMSUNG
	Panel Size (diagonal)	32-inch Widescreen TFT color LCD
	Display pixel (dots x lines)	1366 x 768
	Brightness (typ.)	450
	Contrast Ratio (typ.)	5000:1
	Color	16.7 M
	Viewing Angle (L/R/U/D)	89/89/89/89
	Response Time (ms)	8
	Dot pitch (mm)	0.51075
	Display Area (mm)	697.68H x 392.26V
	Surface treatment	Haze 7%, Hard-coating
	Surface hardness	3H
	Backlight Type	CCFL
	MTBF (hrs)	50,000

Video Connectivity			
	Digital	HDMI	HDMI 1.1, CEA-861-D
		DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
		Composite (RCA)	NTSC & PAL
		S-Video (4-pin)	NTSC & PAL
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Audio Connectivity			
	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kΩ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kΩ / 2.8V
	Speaker Output	Power	2 x 10W

*When the audio output is connected, speaker output is OFF

Power			
	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption	Screen display ON	80W or less
		Power saving mode	9W or less
		Power button OFF	2W or less

Regulatory	Safety	FCC & CE certified
	Environmental	RoHS2 & REACH compliant

Environmental Conditions	Operating	Temperature	0 to 50°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 60°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
		Vibration	5~500Hz 1G RMS random

Physical Specification		ID-32Aw	ID-32AwN	ID-32Pw
	Product (W x D x H) mm	850 x 135.3 x 520	850 x 135.3 x 520	836 x 117.3 x 510
	inch	33.5 x 5.3 x 20.5	33.5 x 5.3 x 20.5	32.9 x 4.6 x 20.1
	Net Weight	23 kgs / 50.6 lbs	26.3 kgs / 57.9 lbs	16.9 kgs / 37.2 lbs

Applicable Format	DVI-D / VGA Input	PC Signal	1366 x 768 x 60Hz
			1280 x 1024 x 60 / 75Hz
			1280 x 960 x 60Hz
			1280 x 768 x 60 / 75Hz
			1152 x 864 x 75Hz
			1024 x 768 x 60 / 70 / 75Hz
			848 x 480 x 60Hz
			800 x 600 x 60 / 72 / 75Hz
			720 x 400 x 70Hz
			640 x 480 x 60 / 72 / 75Hz
			640 x 400 x 70Hz
			640 x 350 x 70Hz
	HDMI Input	PC Signal	Same as VGA
		Video Signal	720p : 50 / 60Hz
			480p : 60Hz
			576p : 50Hz
		Audio Signal	2ch Linear PCM (32 / 44.1 / 48 KHz)
	Composite / S-Video Input	NTSC	525 lines, 60 fields / sec
		PAL	625 lines, 50 fields / sec

< 3.2 > On-screen Display Operation (OSD)

○ Power light
● Green = On
● Orange = Power saving

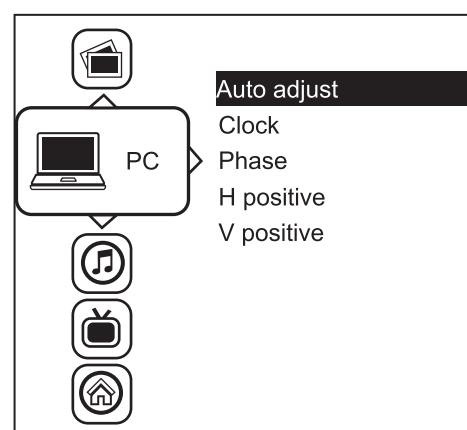| Membrane Switch	Function
⊖	Power on / off LCD
M	Display the OSD menu
⇕ ⇕ ⇔ ⇔	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button ⇕ for 5 seconds)
↰	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

① **Picture**

Picture mode :   Standard / Vivid / Soft / User mode to choose
Brightness :   Adjust background black level of the screen image
Contrast :   Adjust the difference between the image background (black level) and the foreground (white level)
Hue: Adjust the screen hue value
Saturation :   Adjust the saturation of the image color
Picture size :   Adjust the image size
Color temp :   Standard / Cool / Warm / User to choose
Noise reduce :   Reduce the noise of the image
Sharpness :   Adjust the image from weak to sharp

Picture
- Picture mode
- Brightness
- Contrast
- Hue
- Saturation
- Picture size
- Color temp
- Noise reduce
- Sharpness

② **PC**

Auto adjust :   Automatically adjust sizes, centers and fine tunes the video signal to eliminate waviness and distortion.
Clock :   Adjust the clock value
Phase :   Adjust the phase value
H. Position :   Align the screen image left or right
V. Position :   Align the screen image up or down

PC
- Auto adjust
- Clock
- Phase
- H positive
- V positive

③ Audio

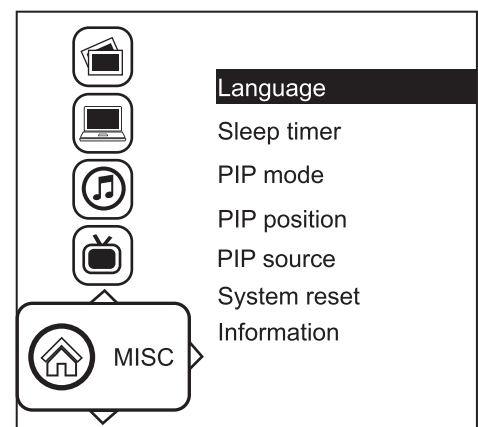|	
Audio mode :	Movie / Voice / Normal / Music mode to choose
Volume :	Adjust the volume of sound
Bass :	Set the value of bass sound
Treble :	Set the value of treble sound
Balance :	Set the balance value of treble and bass sound
Analog TV audio :	Set the value of analog TV audio sound
Mute :	Turn off the surrounding sound

Audio

Audio mode
Volume
Audio track
Bass
Treble
Balance
Analog TV audio
Mute
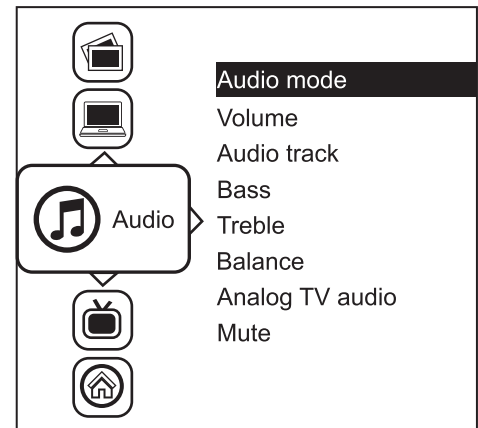
④ TV

Auto search :	Automatically search
Manual search :	Search the TV manual
Fine tune :	Fine tune the TV signal
Color system :	Adjust the TV color
Sound system :	Adjust the TV sound
Channel edit :	Edit the channel

TV

Auto search
Manual search
Fine tune
Color system
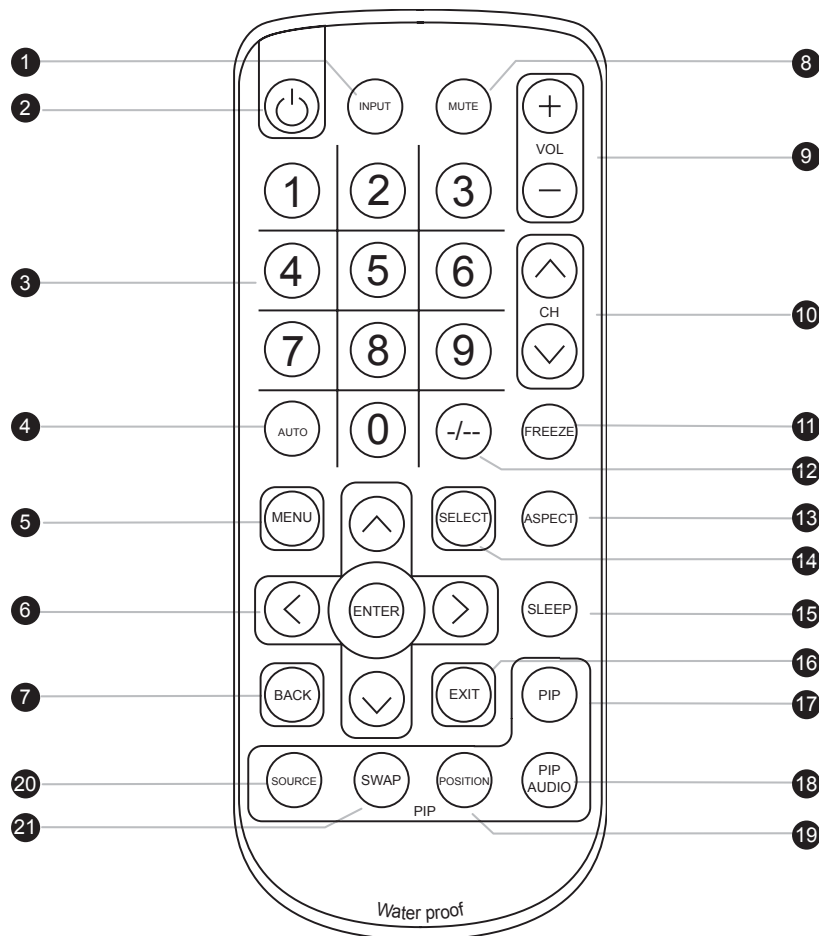Sound system
Channel edit
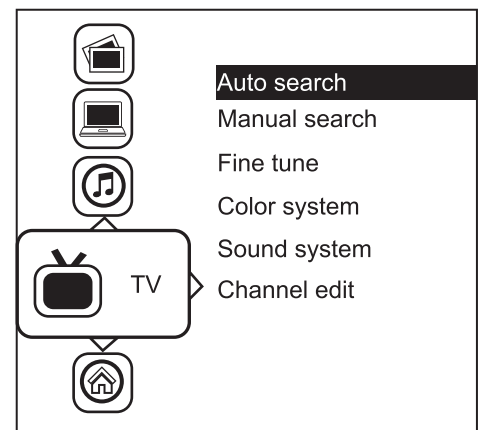
⑤ MISC

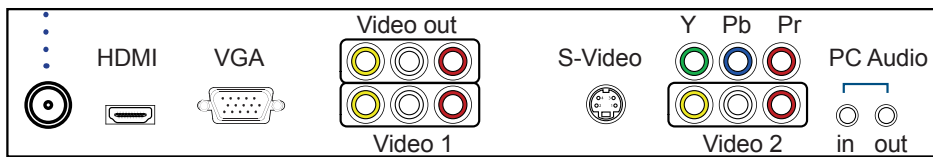|	
Language :	Select the language in which the OSD menu is displayed - English
Sleep timer :	Set the off time
PIP mode :	Adjust picture in picture setting
PIP position :	Enter into PIP position
PIP source :	Enter into the Sub source and sound source
System reset :	Return the adjustment back to factory setting
Information :	Select for Help

MISC

Language
Sleep timer
PIP mode
PIP position
PIP source
System reset
Information

< 3.3 > Remote Controller (RM-2)

①	**INPUT**	Select the source
②	⏻	Switches on or off the TV
③	**0 - 9**	Only use in TV mode. Select channels. For channel numbers 10 and above, enter the second digit within two seconds.
④	**AUTO**	Auto adjust
⑤	**MENU**	Display the menu on the screen or go to the previous menu
⑥	**▲ / ▼ / ◄ / ► / ENTER**	Go to the upper menu or select the previous value / Go to the next menu or select the next value / Decrease the setting value / Increase the setting value or enter to the select item setting Enter to the select item settings or excude the setting
⑦	**BACK**	Back to previous value
⑧	**MUTE**	Turn on or off the speaker
⑨	**Vol + / -**	Increase or decrease the speaker volume
⑩	**CH + / -**	For TV model only, increase or decrease the channel number
⑪	**FREEZE**	Reserve for OEM model
⑫	**- / --**	For setting input single or double digits
⑬	**ASPECT**	Adjust the screen size
⑭	**SELECT**	To select the existing item
⑮	**SLEEP**	Select the sleeping time
⑯	**EXIT**	Exit the menu or cancel
	PIP functions	
⑰	**PIP**	Picture in picture
⑱	**PIP AUDIO**	To set the audio of in PIP mode
⑲	**POSITION**	To set the screen position in PIP mode
⑳	**SOURCE**	PIP Source
㉑	**SWAP**	Swap screen in PIP mode

TV

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For RM-2 remote controller specifications, please refer to P.14