

AHA brand new **ELF** smart podium

(Model No. ELF-74CG)



Committed To Excellence

하나의 세계, 두 개의 미래

JTBC 10주년 특별기획

시지프스

SISYPHUS: THE MYTH

2월 17일 [수] 밤 9시 첫 방송



조승우 / 박신혜

AHA's ELF smart podium

in Korea's latest popular TV drama in 2021
"SISYPHUS : THE MYTH"



AHA's ELF smart podium



I. Why AHA smart podium

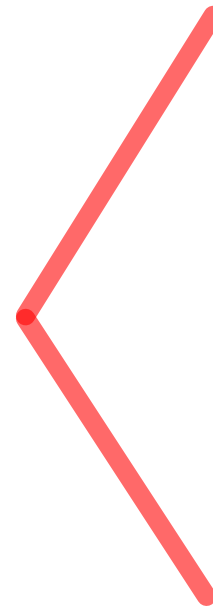
Why AHA smart podium?

1. World 1st 24 Inch 4K Screen
2. AHA's own touch sensor technology with patent (PCAP+EMR on 1 layer)
3. All digital interfaces
4. Integrated controller with amplifier
5. LAN Hub port (4 multiple LAN)

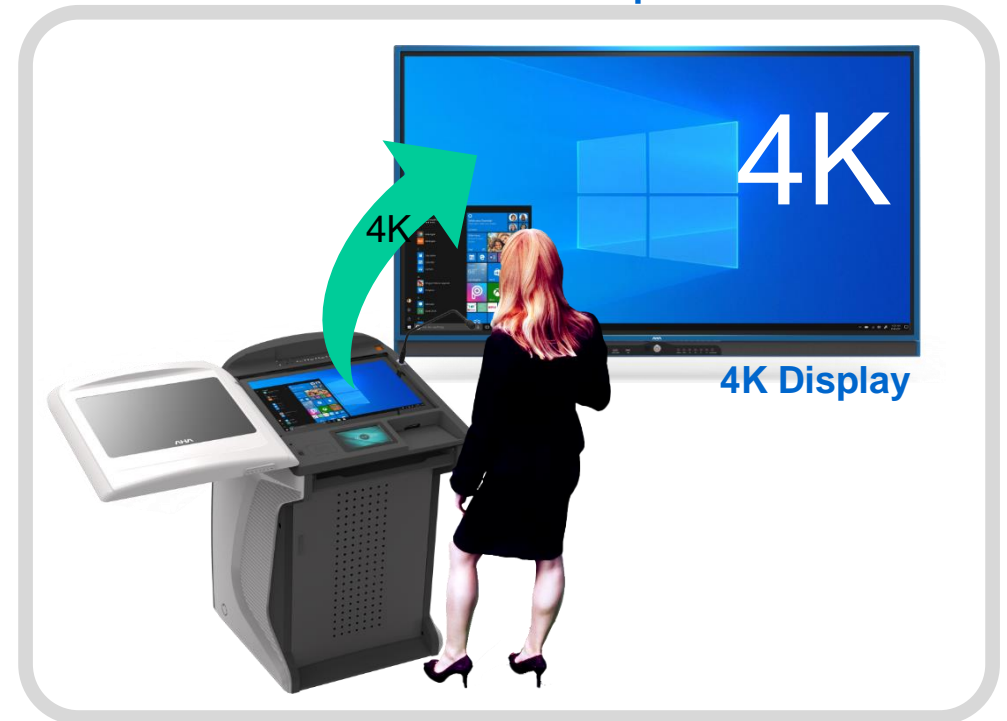
1. World 1st 24 Inch 4K Screen

The resolution of most displays around us today is 4K(UHD) while all the podium screens have 2K resolution only. Therefore, AHA's brand new podium with world's first 4K LCD panel built-in has a complete comparative advantage over other company products.

Conventional podium



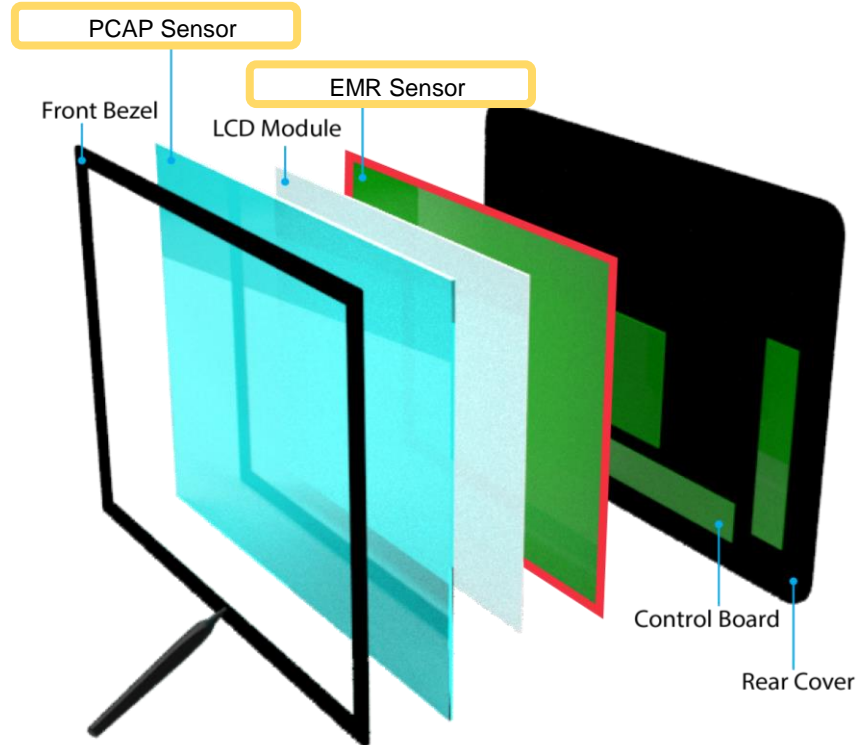
AHA New ELF smart podium



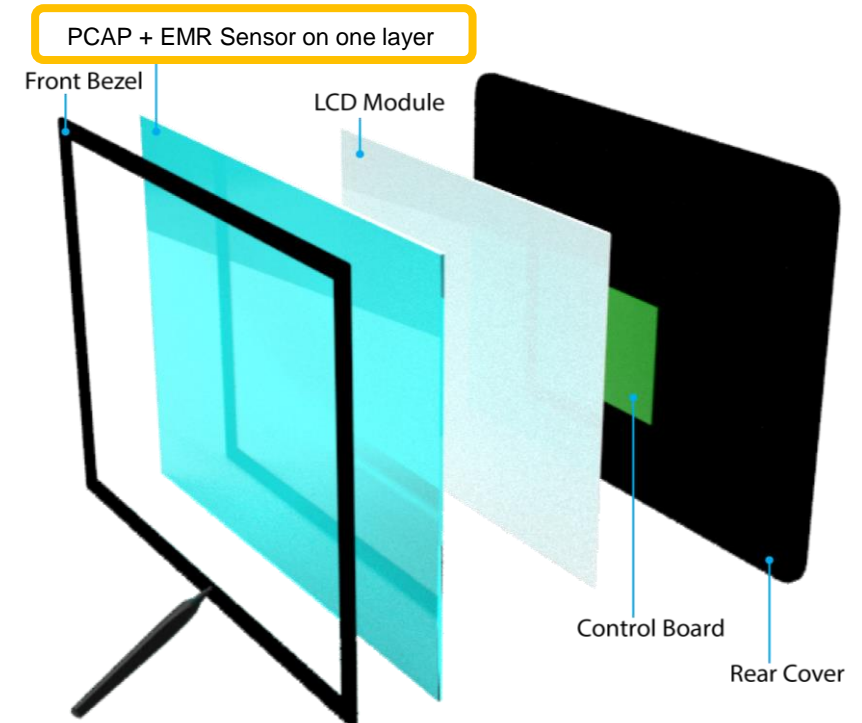
2. AHA's own touch sensor technology with patent (PCAP+EMR on 1 layer)

Compared to other companies' products with very complicated processes with PCAP and EMR sensors separately, AHA makes smart podium with innovative technology that makes two touch sensors on one layer based on its own technologies and related patents, which others can't imitate.

Conventional podium

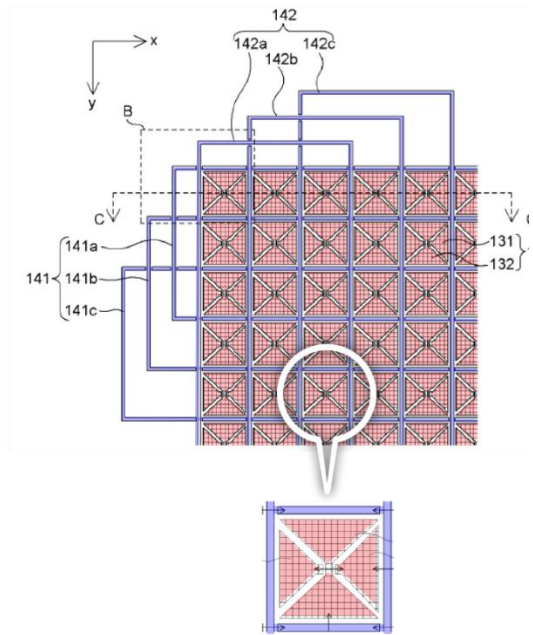
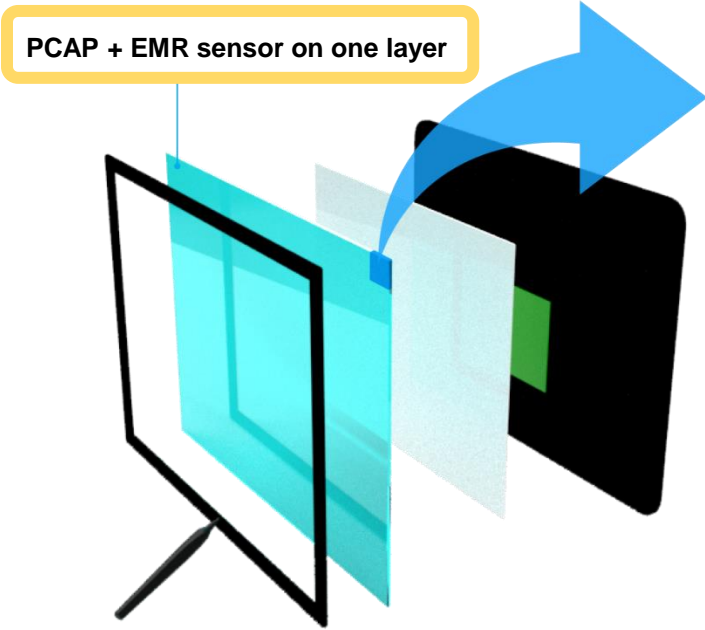


AHA New ELF smart podium



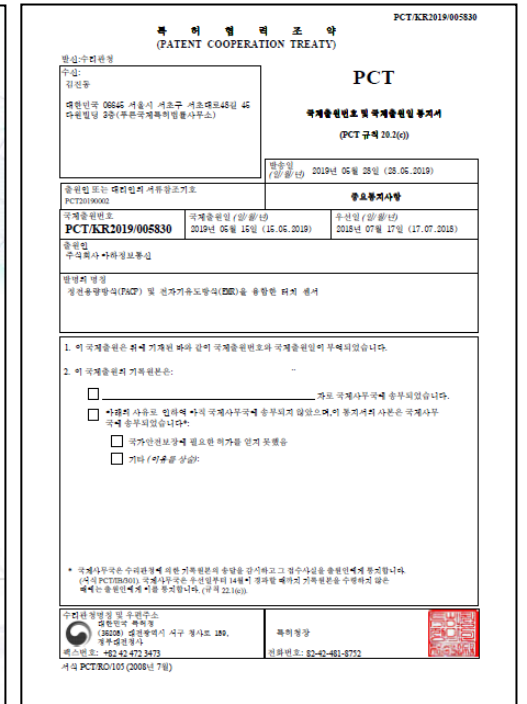
2. AHA's own touch sensor technology with patent (PCAP+EMR on 1 layer)

PCAP+EMR on 1 layer



■ EMR sensor
■ PCAP sensor

AHA patent and PCT



PCT (Patent Cooperation Treaty) Name:
Multi-sensing touch panel with PCAP and EMR pattern, and its manufacturing method

PCT No.: PCT/KR2019/005830

3. All digital interfaces

AHA brand new smart podium provides all digital laptop interfaces including USB-C for professional digital usage.



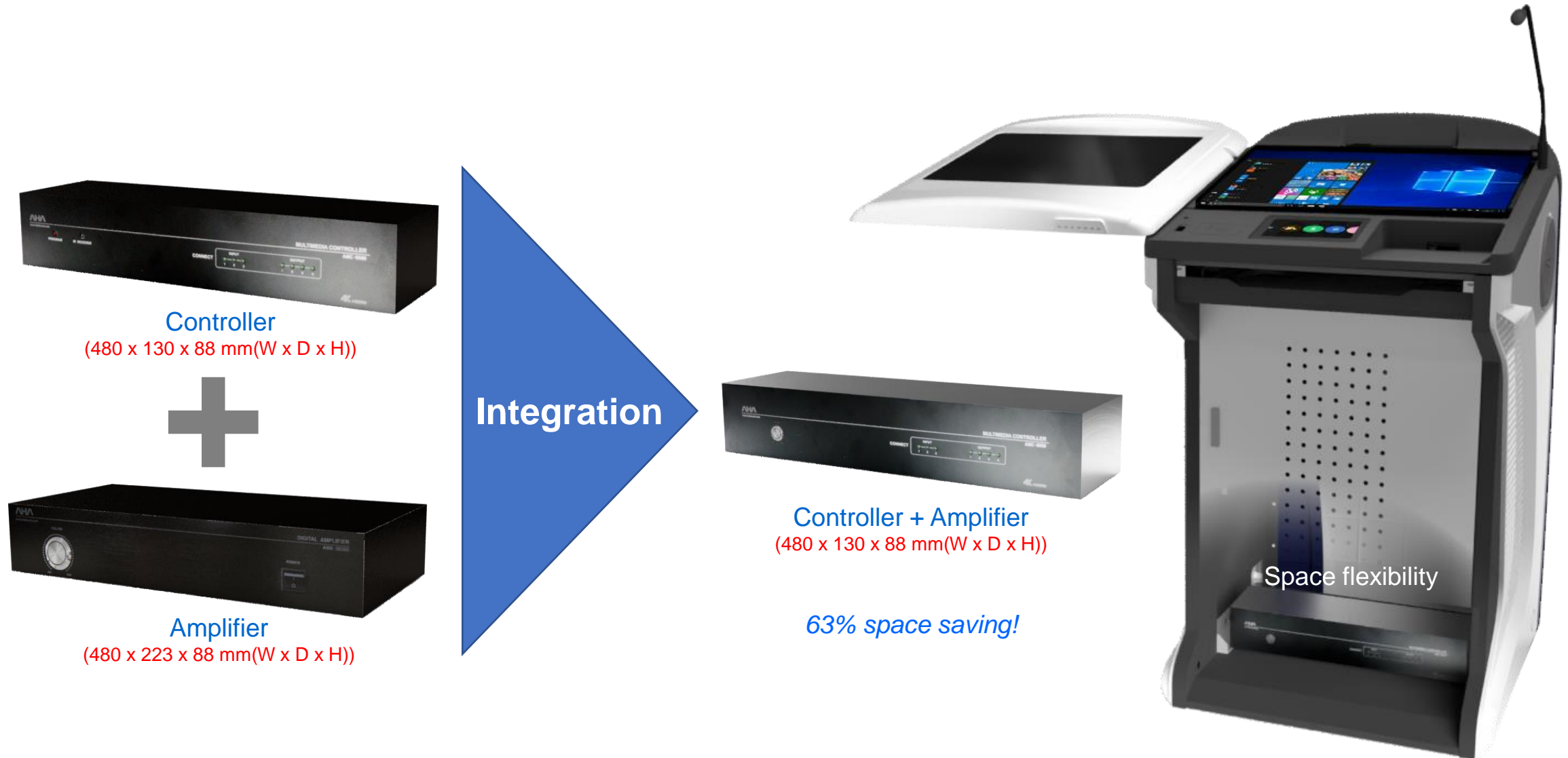
To connect with visualizer

Cell phone charge

New Laptop interface

4. Integrated controller with amplifier

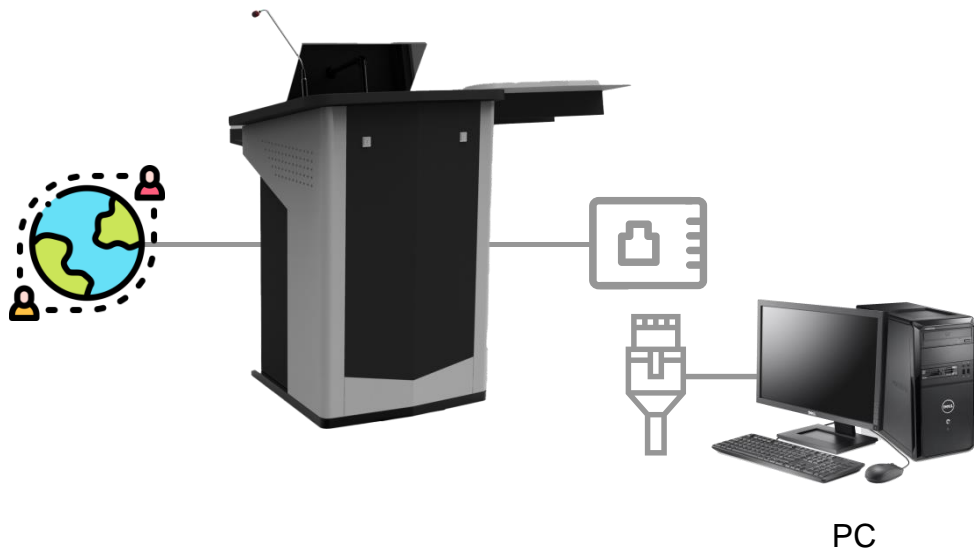
By integrating the controller and amplifier into 1 controller, the space in the smart podium can be more flexibly used.



5. LAN Hub (4 Multiple LAN)

When using the conventional smart podium, only one device can be connected to the Internet through LAN line, but AHA brand new smart podium is equipped with LAN HUB so that multiple devices, laptops, PCs, mini PC (up to 3 devices) can be connected to the Internet at the same time.

Conventional podium









AHA New ELF smart podium



SUMMARY

“AHA brand new ELF smart podium proved to be No. 1 in the market”

						
Brand	AHA	PKLNS	B&S	Esol	Cumbus	Tamtus
Model	New ELF	PK-220D	e-STATION S	BARO-220W3D	IDP22ML	TT-220DME
Monitor Size	24" ✓	22"	22"	22"	22"	22"
Resolution	UHD ✓	FHD	FHD	FHD	FHD	FHD
Touch Sensor	EMR+PCAP on one layer ✓	EMR + PCAP	EMR + PCAP	EMR	EMR + PCAP	EMR+IR
Brightness	300cd/m ² ✓	250cd/m ²	250cd/m ²	250cd/m ²	250cd/m ²	250cd/m ²
View Angle	178° (H/V)	160° (H/V)	160° (H/V)	160° (H/V)	160° (H/V)	160° (H/V)
Amplifier output	320W 4Ω	300W 4Ω	200W		100W	80W
HDMI IN	X 3 ✓	X 2	X 2	X 2	X 2	X 2
HDMI OUT	X 3 ✓	X 2	X 2	X 2	X 2	X 2
USB-C type	Yes ✓	NA	NA	NA	NA	NA
LAN HUB	Yes ✓	NA	NA	NA	NA	NA

II. Product details

Product specifications

1. Controller AMC-9000

Multimedia Controller		Specification
HDMI	Supported	Up to 4K 2K
	Resolution	3840 x 2160 @ 30Hz
	Input	HDMI x3
	Output	HDMI x3
VGA	Output	VGA x1 (Full HD)
SOUND	AUDIO Input	3.5 Stereo x1
	MIC	5.5 Mono x1, Canon Jack x1
	Output	3.5 Stereo x1
	Output	160W(L) + 160W(R) = 320W 4Ω
Control	Switch Control Ports(Relay)	4 Ports
	Screen Relay Control	2 Ports
	RS – 232C Ports	4 Ports
	RMS Control Module	1 Ports
	IR Port	2 Ports
USB	USB Switch	2 Input, 1 Output (PC, Laptop Switch)
LAN	LAN Hub	4 Port (10 / 100 Mbps)
RMS	Interface	10/100 Base-T Ethernet
	Protocol	TCP/IP, UDP, DHCP
Other	Power	36V 8A

2. 23.8” touch screen AHALTM-238WD

Item	Specification
Resolution	3840(H) x 2160(V)
Display Area	527.04(H) x 296.46(V) - 23.8inch
View Angle	178° (H/V)
Contrast Ratio	1000:1 (typ.)
Luminance, White	300 cd/m ²
Input Terminal	Display Port V1.2a. (4K 2K @ 60Hz)
	HDMI 2.0 / MHL3.0 (4K 2K @ 60Hz)
	DVI - D
Touch	Electromagnetic, PCAP (Dual Touch)
	Up to 10 Touch (PCAP)
	Response Time : Less then 15ms (EMR / PCAP)
	Pressure : 1024 Level (EMR)
Language	English, Korean
Power	DC 12V 3.5A

3. 7” touch controller

Item	Specification
Resolution	800(H) x 480(V)
Display Area	154(H) x 92(V) mm - 7inch
Communication	RS232C
Touch Type	Capacitive Touch Sensor
Power	5V 1A

Product specifications

4. Wireless microphone – U92

Item	Specification
Frequency Rages	925.00Mhz ~ 932.00Mhz
Chanel	38 Ch
Type	Hand and Belt
Oscillation mode	PLL synthesized
Frequency stability	±0.003% (-10~50°C)
Frequency response	50Hz ~ 18KHz
THD (1KHz)	<0.5%
Signal to Noise ratio	> 105dB
Power	12V 3.5A

5. Gooseneck microphone

Item	Specification
Polar Pattern	Cardioid
Frequency Response	150Hz ~ 17KHz
Sensitivity (0dB=1V/1Pa, 1K Hz)	-46dB
Output Impedance	200 ohm Balanced

6. Power distributor

Item	Specification	
AC Output	5Ch (MAX 150W)	
DC Output	12V 3A 4 Ports 5V 1A 1 Port	※ Sequence Control (Optional)
Indicate LED	Connect : Green, Un-Connect : RED	
Sequence Control	Supported (Option)	
Input Power	AC Input 100 - 240V,50-60Hz	

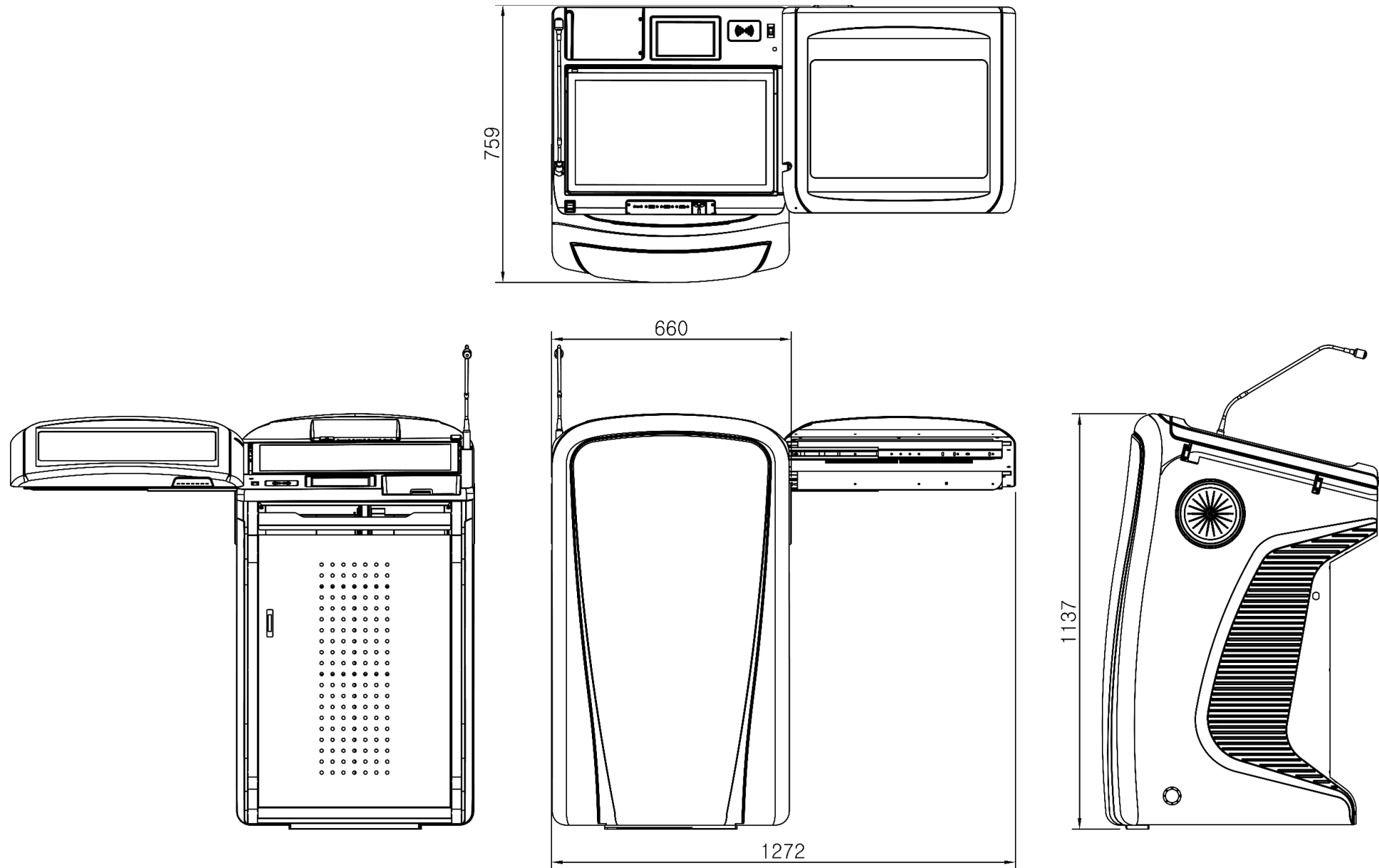
7. Laptop interface

Item	Specification
AC Output	Universal Socket
Touch USB	USB 2.0 Port x1
AUX USB	USB 3.0 Type A x1, USB 3.0 Type C x1
HDMI	HDMI Input Port x1

8. Speaker

Item	Specification
Impedance	8Ω ± 15 %
Input	MAX 100W
Size	200mm(W) x 179mm(D) x 300mm(H)

Product dimension



Thank you!