HYUNDAI

Display Solutions by Expertise.

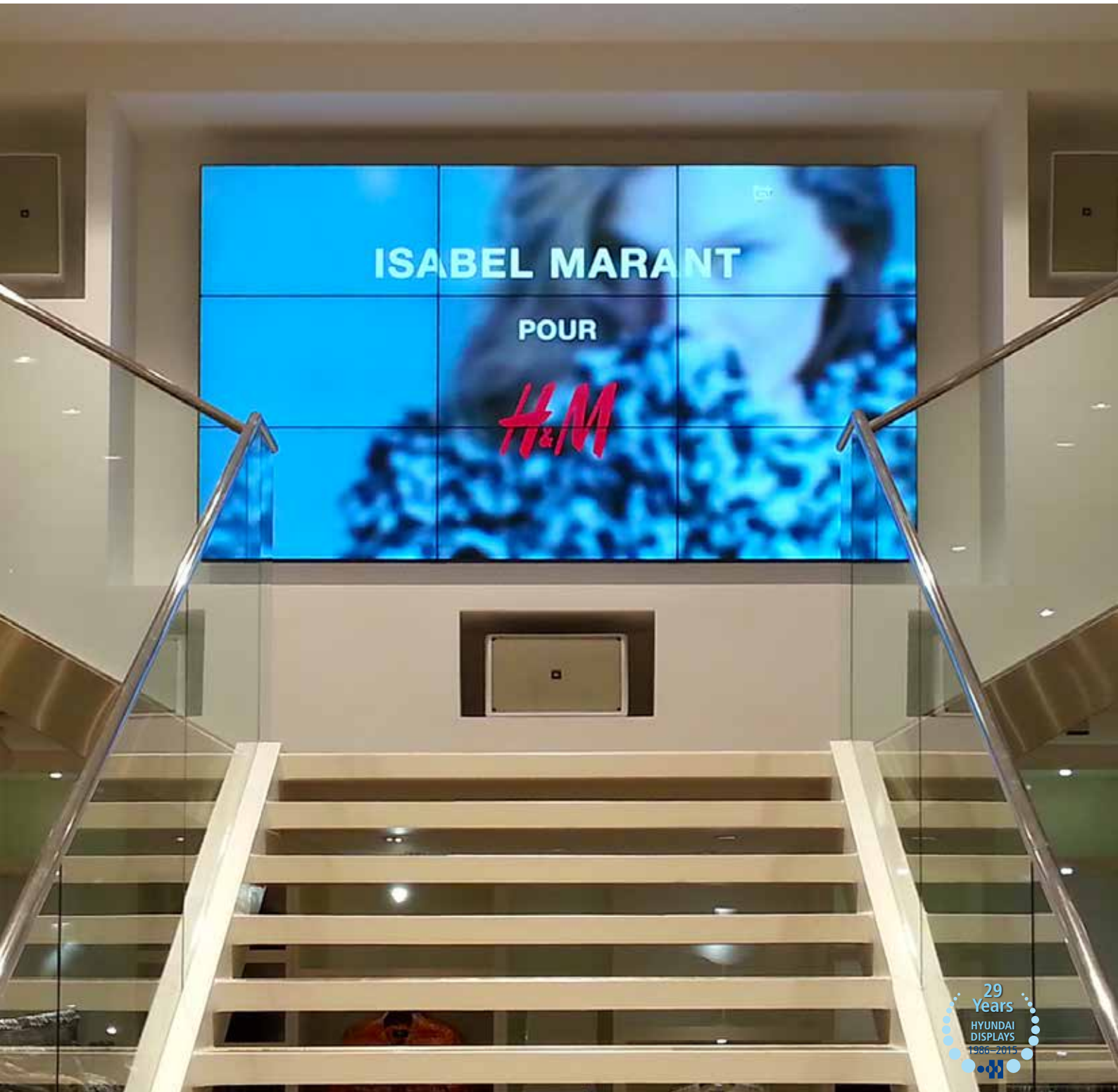# More than just a Display

29
Years
HYUNDAI
DISPLAYS
1986–2015

Total Display Solutions 2015

More than 29 Years HYUNDAI

In 1986 the production of the first HYUNDAI display – a 12" monochrome CRT monitor – started. Since that time display technology has been developed enormously. And so did HYUNDAI and the brand name HYUNDAI has been synonymous with the design and production of state-of-the-art display technologies. Advanced devices offering sophisticated design and supreme image quality – with "built-in" future-proofing.

More than just a Display!

Hyundai has 29 years experience in display development and innovative display solutions. Based on a smart and reliable product design we are offering a load of optional features that makes our product features suitable for any use case of today's business. That's how we bring add-on values and satisfy our customers. That's what makes us more than just display.

Metal Frame Housing

DOOH Media Panel

Wide Viewing Angle

High Brightness/Contrast

Full-HD/HD-Ready

Portrait/Landscape Orientation

Integrated Video Wall Function

High Connectivity

Auto-Cooling System

Remote Control + Monitoring

VESA Wallmounting

Auto Power Control (DPMS)

Speaker-Ready

BASIC

OUTDOOR DISPLAY

VIDEO WALL DISPLAY

WINDOW DISPLAY

HYUNDAI

OPTION

Tempered Glass

Touch Screen

LED Backlight

Anti-Blackout Panel

Anti-Reflection Coating

Auto-Brightness Sensor

Motion Sensor

Ultra Narrow Bezel

Open Frame Design

Tailored Product Design

KIOSK DISPLAY | STANDARD DISPLAY | INTERACTIVE WHITEBOARD

Outdoor Display

Ensure Stable Operations in Any Environment

HYUNDAI's outdoor displays represent state-of-the-art display technology for any outdoor environment. Even strong sunlight, snowstorm and rainstorm can't stop HYUNDAI Outdoor Digital Signage from displaying messages and images with full function operating. By meeting highest industrial standards, they provide a high degree of operational reliability and superior image quality.
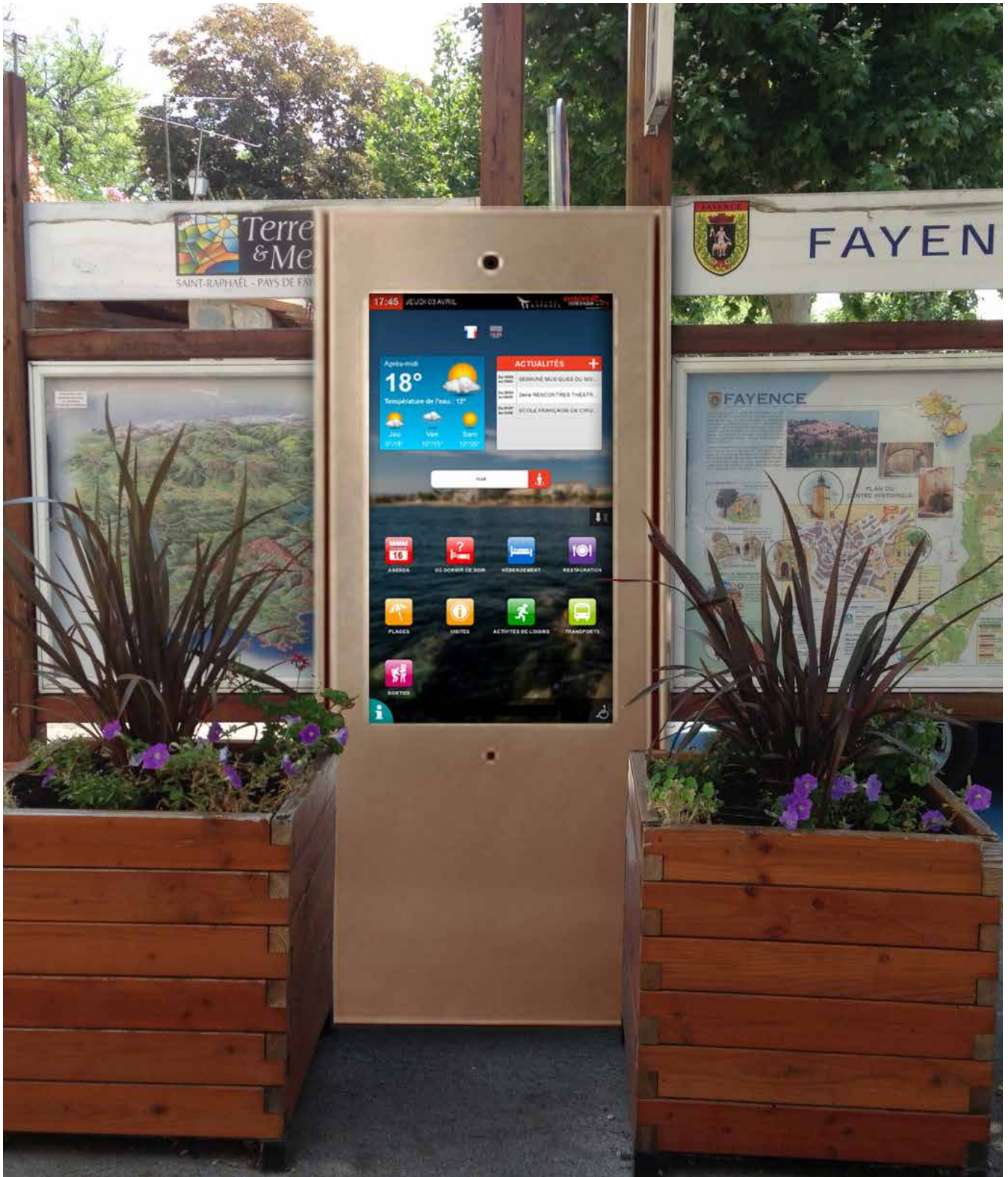
All-Weather Capable Display

Fitted with an intelligent cooling and heating system, the outdoor displays are well prepared for standing any weather conditions. And a smart air looping system to protect the LCD Panel against so called black-outs.

(Black areas on the screen in the wake of overheating)

Improve Readability

A special anti-reflection treatment reduces reflections on the display's surface.

Vandalism Protection

Thanks to a special tempered security glass HYUNDAI's outdoor displays are well protected against any vandalism attacks.

Auto-Brightness Sensor

Adjusts the panels brightness automatically according to the ambient lightning conditions. This reduces power consumption and increase the panel's lifetime.

Motion Sensor (Option)

Depending on the detection of human motion in front of the screen, the display is either switched to operation or stand-by mode. This reduces power consumption and increase the panel's lifetime.

Easy to Install and Service

Experience easy operating and maintenance with Hyundai's outdoor displays adopting front open access.

Along with the included mounting frame which is optimized for H467M, customer can install the product more easily without any additional equipment.

Vandalism Protection

Video Wall Display

Highlighting the Multi-Vision with ultra-narrow Bezel Video Wall Displays

Due to the built-in video wall function HYUNDAI's MultiVision Displays are dedicated to installations of multi-screen walls. For this reason no additional expensive equipment, like video split processors, is necessary.

Daisy Chain Connection

In order to connect a multi display wall, the single units are linked by a Daisy Chain connection over HDMI, Component or the D-Sub interface. This implicates that just one display (master unit) needs a direct connection to the video source. The configuration of each display, regarding its individual ID and position in the matrix, can be easily set-up using the onscreen menu or the RS232C interface. The built-in video wall function allows flexible configuration and easy installation.

Ultra Narrow Bezel Design

With an ultra narrow bezel design, HYUNDAI's MultiVision displays are dedicated to build video walls.
Combined with the cutting edge function - which allows displaying the full picture content - the smart design of the HYUNDAI public displays ensures a maximum screen area with a minimum of viewable interruptions.

(3.5mm)
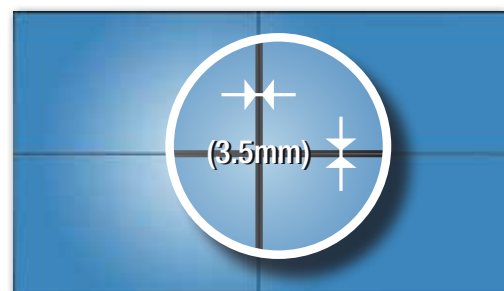
High Resolution

HYUNDAI public displays can display high-resolution and more data information on the LCD screen by an aspect ratio of 16:9. The Full-HD resolution enables brighter and sharper images when HD graphics and videos are display.

Draw your customers attention!

HYUNDAI window displays are the best solution to attract the attention of audience. High brightness and contrast provide a superior image even in direct sunlight.
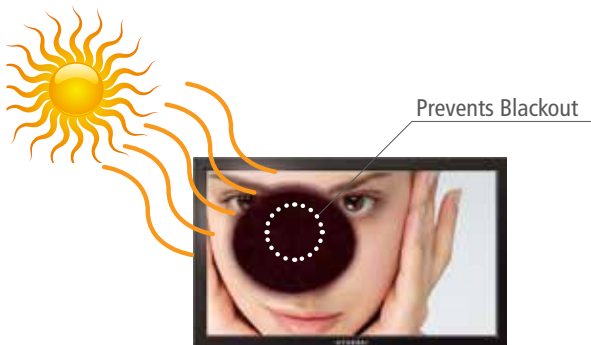
Customized Design

High Temperature Tolerance

HYUNDAI's new window display is ready to operate in temperature of up to 105°C on its LCD surface. This prevents the "blackouts", caused by overheating, and makes it suitable for installation sites which are characterized by high temperature and bright ambience or direct sun light.

Prevents Blackout

LED Backlight

By switching the CCFL backlight into LED backlight ensure clear brightness for optimal visibility even in direct sunlight.

Auto-Brightness Sensor

Adjusts the panels brightness automatically according to the ambient lightning conditions. This reduces power consumption and increase the panel's lifetime.

Improve Readability

A special "anti-reflection treatment", it improves readibility.

Motion Sensor (Option)

Depending on the detection of human motion in front of the screen, the display is either switched to operation or stand-by mode. This reduces power consumption and increase the panel's lifetime.

High Brightness & Contrast

Achieving a brightness from 450 to 2300 cd/m² and working with a smart dynamic contrast technology, the special Out-Of-Home panels ensure bright and sharp pictures with a facsimile depth, even in bright enlightened environments.

Kiosk Display

Versatile Digital Signage Stand-Alone Display solutions with Product Design

HYUNDAI's Stand-Alone Displays are the best digital information solution using the LCD screens. Combining dynamic screen contents and the static depiction of corporate identity, it creates the maximum value in digital information.

Protective Housing

In order to protect the high-tech components and ensure a long life time, the housing is fully made of steel and can be locked. The panel is protected by a special tempered glass.

Touch Screen Function (Option)

Optionally, the Stand-Alone Displays are available as touch screen models. The used infrared touch screen technology ensures maximum controlling comfort and makes them ready for a lot of interactive applications.

Standard Display Slim / Professional

Environmental Friendly & Slim Design

With a series of ecological features HYUNDAI is on target to provide environment-friendly products which reduce power consumption, especially when it comes to permanent operations of digital signage installations.

Low Power with LED Backlight

HYUNDAI's public displays with LED backlight bring the advantage of an up to 40% lower power consumption, compared to displays with CCFL backlight.

RoHS Compliant

With the compliance of the RoHS directive of the European Union, HYUNDAI guarantees that there are no hazardous substances used, which will pollute the environment after the product's life cycle.

Slim & Light design

HYUNDAI's Slim LED public display is 70% thinner than CCFL back-light display.

Super-Slim Design

Motion Sensor (Option)

For installation sites where contents only need to be displayed on demand (e.g. information terminals), motion sensor is suitable to reduce power consumption and extend the panel's life time. Thereby the motion sensor detects human motion inside a defined periphery around the display. If there is no motion detected, the display auto-matically switches to stand-by mode.

Auto Brightness Sensor

An integrated light sensor that measures the ambient light takes care that panel's brightness will be adjusted to the ambient light-ning conditions. As a result the power consumption will be reduced while the panel's lifetime will be increased.

Standard Display Slim / Valuable

Attract Public Viewers with the Excellent Screen layouts and Optimized Design

HYUNDAI's public displays ensure the presentation of digital signage contents in a sharp, high bright and brilliant picture quality. These meet all technical requirements for professional display equipment and can be installed in any format such as portrait, landscape, single, multi and built-in delivering clear and bright images.
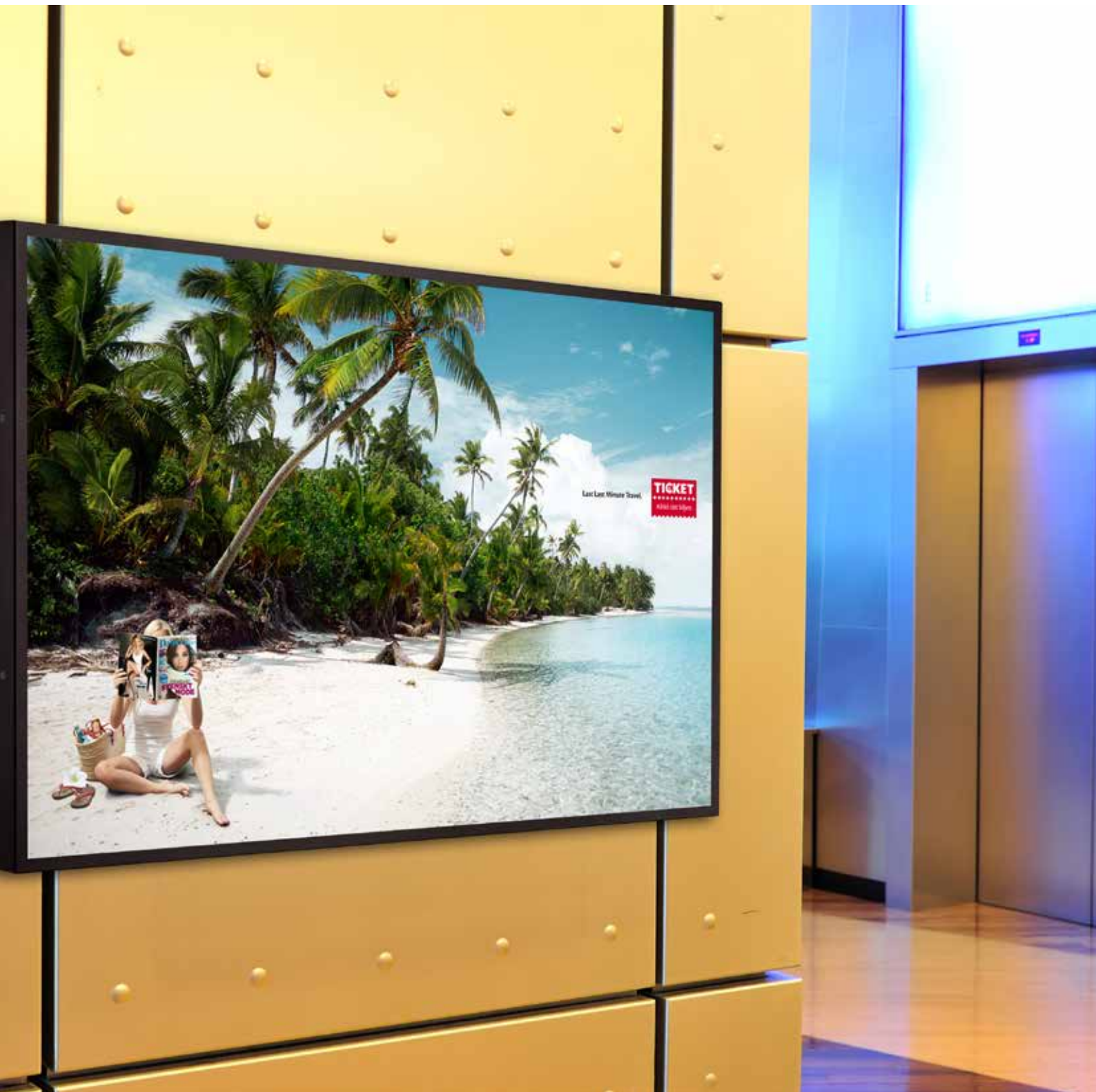
Professional DOOH LCD Panel

Using commercial grade LCD panels for Digital Out-Of-Home applications the HYUNDAI public displays have a higher brightness and contrast than standard LCD TV panels. Also those panels enable permanent operation and deliver clear and bright images. They can be used in both portrait as well as landscape orientation without any losses of quality.

Metal Frame Housing

A solid metal frame housing guarantees that the panels of HYUNAI IT's public displays are well protected especially when it comes to public area installations. In addition, the metal frame gives the product a high quality and an appealingly optical appearance.

High Definition Resolution

Having a resolution of either 1366 x 768 or 1920 x 1080, HYUNDAI public displays can display high-resolution and more data information on the LCD screen by an aspect ratio of 16:9. The Full-HD resolution enables brighter and sharper images if HD graphics and videos can display.

Various Connectivity

Providing an array of various professional input and output connectors [HDMI, DVI, Component/Composite (BNC), VGA] HYUNDAI Digital Signage afford an easy, flexible and multiple connection to a broad range of external A/V devices.

Wide Viewing Angle

The wider the panel's viewing angle is the more viewers are able to see the contents in a high quality. That matters for both meeting environments as well as public area installations. Coping with a wide viewing angle of 178°(H/V) HYUNDAI public displays bring the content to the entire audience.

Conventional Display   Hyundai

Various Connectivity

Providing an array of various professional input and output connectors [HDMI, DVI, Component/Composite (BNC), VGA] HYUNDAI Digital Signage afford an easy, flexible and multiple connection to a broad range of external A/V devices.

Touch Screen

As an option, HYUNDAI public displays can be equipped with touch screen functionality.

Interactive Whiteboard

An intuitively Easy Interactive Board Solution

Our Interactive board - displays, software, services and support all work together - giving you the tools to share information and ideas in visual and interactive way. With a Interactive board, your resources are at your fingertrips - whether you're in a meeting room, an R&D lab or the dealer shop.

Design Engineering

HYUNDAI INTERACTIVE BOARD solutions make it easy to review project materials and work with other resources on a large interactive surface. You share information visually, whether your teams are local or dispersed.

Business Process Management

HYUNDAI INTERACTIVE BOARD solutions can help stakeholders and process owners collaborate to support agile development principles -from definition and analysis to activity mapping, improvement targets and ongoing measurement.

Product development

With HYUNDAI INTERACTIVE BOARD solutions, you can bring expects together in one room, regardless of location. You can work with file and applications on a large interactive and contribute to the work in real time.

Optical Touch Technology

Camera based optical technology applied. So it is stronger, quicker and more reliable compared with other technologies. Connect it to a desktop, double-click a program with a stick, enjoy surfing the internet with a pointer and play simple games with user's own finger.

Reliable Durability

Life span on LCD panel comes to approximately 50,000 hours (about 17 year) when used 8 hours a day.

Easy and Fast Operation with Hot Key

With the software hot key, even the neophytes can operate easily and teach classes quickly.

Products:
28 x 55"
Multi-Screen

Products:
150 x 46"
Single-Screen

Products:
36 x 55″
Video Wall Display

Products:
40″/46″
Multi-Screen

Products:
4 x 46″
Multi-Screen

Products:
46″ Stand-Alone,
Tailored Design

Products:
2 x 55″
Dual-Screen

Products:
46″ Stand-Alone,
Tailored Design

Products:
9 x 46"
Video Wall Display

Products:
4 x 46″
Multi-Screen

Products:
46″
Multi-Screen

Products:
46"
Single-Screen

Products:
10 x 46"
Single-Screen

Products:
22x 70″
Single-Screen

Products:
6 x D468FL
Video Wall Display

Products:
19″ Touch Screen
40″ Single-Screen

Specification Outdoor Kiosk Display

Product Type		Outdoor Kiosk			
Standard		**H321SSV**	**H467SSV**	**H467SDV** (Double)	**H469SSV**
Touch Screen		**H321SSI**	**H467SSI**	**H467SDI** (Double)	**H469SSI**
Panel	Screen Size	32"	46"	46"	46"
	Active Display Area (inch/mm)	15.47 x 27.50 / 392.85 x 698.4	22.54 x 40.09 / 572.67 x 1018.08	22.54 x 40.09 / 572.67 x 1018.08	22.54 x 40.09 / 572.67 x 1018.08
	Resolution	1080 x 1920			
	Aspect Ratio	16 : 9			
	Display Colors	16.7 M			
	Brightness (cd/m²; typ.)	2,000	2,500	2,500	5,000
	Contrast Ratio	1,300 : 1	5,000 : 1	5,000 : 1	4,000 : 1
	Response Time (ms; GTG)	25	8	8	8
	Viewing Angle (H°/V°)	178°/178°			
	Life Time (hours)	30,000	50,000	50,000	50,000
	Backlight type	LED	LED	LED	LED
Touch Screen	Response Time (ms)	8 ~ 9	8 ~ 9	8 ~ 9	8 ~ 9
	Interface	USB 2.0			
	Touch Intensity	Permanent (protected by glass)			
	Detection Method	PCT			
	Operating System	Windows			
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x RS232C [Double Model; 2x VGA (D-Sub)	2x HDMI	2x DVI	2x RS232C]			
Power	Operating Voltage	100 – 120V AC, 220 – 240V AC			
	Consumption (typ.)	145 W	400 W	800 W	450 W
	Consumption per nits	0.12 W (max.)	0.16 W (max.)	0.32 W (max.)	0.18 W (max.)
	Heater Block	Max 850 W / Peak 1.2 KW			
Features	Auto Cooling System	Yes			
	Auto Heating System	Yes			
	Anti-Vandal Glass	Yes			
	Anti Reflection Coating	Yes			
	Auto Brightness Sensor	Yes			
Dimension	Set (W x H x D) - inch/mm	26.6 x 66.93 x 5.9 / 675.3 x 1700 x 150	33.66 x 78.74 x 5.9 / 855 x 2000 x 150	33.66 x 78.74 x 12.6 / 855 x 2000 x 320	33.66 x 78.74 x 5.9 / 855 x 2000 x 150
Weight	Set (lb/kg)	146.6 / 66.5	330.7 / 150	T.B.D	330.7 / 150
	Set (lb/kg); with touch	T.B.D	335.1 / 152	T.B.D	335.1 / 152
Surface	Treatment	powder coated			
Temperature	Operation (°C)	-30 ~ 50			
	Storage (°C)	-40 ~ 60			
Humidity	Non-condensing (%)	20 ~ 80			
Approvals	Ingress Protection	IP66	IP66		

Product Type		Outdoor Kiosk		
Standard		H469SDV (Double)	H551SL	H551SD (Double)
Touch Screen		H469SDI (Double)	H551SLI	H551SDI (Double)
Panel	Screen Size	46"	55"	55"
	Active Display Area (inch/mm)	22.54 x 40.09 / 572.67 x 1018.08	26.79 x 47.62 / 680.4 x 1209.6	26.79 x 47.62 / 680.4 x 1209.6
	Resolution	1080 x 1920		
	Aspect Ratio	16 : 9		
	Display Colors	16.7 M		
	Brightness (cd/m²; typ.)	5,000	2,500	2,500
	Contrast Ratio	4,000 : 1	1,300 : 1	1,300 : 1
	Response Time (ms; GTG)	8	10	10
	Viewing Angle (H°/V°)	178°/178°		
	Life Time (hours)	50,000	30,000	30,000
	Backlight type	LED	LED	LED
Touch Screen	Response Time (ms)	8 ~ 9	50 ~ 100	50 ~ 100
	Interface	USB 2.0		
	Touch Intensity	Permanent (protected by glass)		
	Detection Method	PCT		
	Operating System	Windows		
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x RS232C [Double Model; 2x VGA (D-Sub)	2x HDMI	2x DVI	2x RS232C]		
Power	Operating Voltage	100 − 120V AC, 220 − 240V AC		
	Consumption (typ.)	900 W	600 W	1.2 KW
	Consumption per nits	0.36 W (max.)	0.26 W (max.)	0.26 W (max.)
	Heater Block	Max 850 W / Peak 1.2 KW		Max 1.7 KW / Peak 2.4 KW
Features	Auto Cooling System	Yes		
	Auto Heating System	Yes		
	Anti-Vandal Glass	Yes		
	Anti Reflection Coating	Yes		
	Auto Brightness Sensor	Yes		
Dimension	Set (W x H x D) - inch/mm	33.66 x 78.74 x 12.6 / 855 x 2000 x 320	38.02 x 85.83 x 6.3 / 965.8 x 2180 x 160	38.02 x 85.83 x 12.6 / 965.8 x 2180 x 320
Weight	Set (lb/kg)	T.B.D	385.8 / 175	727.5 / 330
	Set (lb/kg); with touch	T.B.D	390.2 / 177	727.5 / 330
Surface	Treatment	powder coated		
Temperature	Operation (°C)	-30 ~ 50		
	Storage (°C)	-40 ~ 60		
Humidity	Non-condensing (%)	20 ~ 80		
Approvals	Ingress Protection	IP66	IP66	IP66

Product Type		Outdoor Wall-mount type					
Model		**H321ML**	**H467MSV**	**H467MDV** (Double)	**H469MSV**	**H469MDV** (Double)	**H551ML**
Touch Screen		–	**H467MSI**	**H467MDI** (Double)	**H469MSI**	**H469MDI** (Double)	–
Panel	Screen Size	32"	46"	46"	46"	46"	55"
	Active Display Area (inch/mm)	27.50 x 15.47 / 698.4 x 392.85	40.09 x 22.54 / 1018.08 x 572.67	40.09 x 22.54 / 1018.08 x 572.67	40.09 x 22.54 / 1018.08 x 572.67	40.09 x 22.54 / 1018.08 x 572.67	47.62 x 26.79 / 1209.6 x 680.4
	Resolution	1920 x 1080					
	Aspect Ratio	16 : 9					
	Display Colors	16.7 M					
	Brightness (cd/m²; typ.)	2,000	2,500	2,500	5,000	5,000	2,500
	Contrast Ratio	1,300 : 1	5,000 : 1	5,000 : 1	4,000 : 1	4,000 : 1	1,300 : 1
	Response Time (ms; GTG)	25	8	8	8	8	10
	Viewing Angle (H°/V°)	178°/178°					
	Life Time (hours)	30,000	50,000	50,000	50,000	50,000	50,000
	Backlight type	LED					
Touch Screen	Response Time (ms)	–	50 ~100				–
	Interface	–	USB 2.0				–
	Touch Intensity	–	Permanent (protected by glass)				–
	Detection Method	–	PCT				–
	Operating System	–	Windows				–
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x RS232C				
Power	Operating Voltage	100 – 120V AC, 220 – 240V AC					
	Consumption (typ.)	195 W	400 W	800 W	450 W	900 W	600 W
	Consumption per nits	0.1 W (max.)	0.16 W (max.)	0.32 W (max.)	0.18 W (max.)	0.36 W (max.)	0.26 W (max.)
	Heater Block	Max 850W / Peak 1.2 KW	Max 850 W / Peak 1.2 KW	Max 1.7 KW / Peak 2.4 KW	Max 850 W / Peak 1.2 KW	Max 1.7 KW / Peak 2.4 KW	Max 850 W / Peak 1.2 KW
Features	Auto Cooling System	Yes					
	Auto Heating System	Yes					
	Anti-Vandal Glass	Yes					
	Anti Reflection Coating	Yes					
	Auto Brightness Sensor	Yes					
Dimension	Set (W x H x D), inch/mm	44.09 x 23.23 x 6.3 / 1120 x 590 x 160	47.64 x 30.1 x 7.09 / 1210 x 764.4 x 180	47.64 x 30.1 x 15.77 / 1210 x 764.4 x 401	47.64 x 30.1 x 7.09 / 1210 x 764.4 x 180	47.64 x 30.1 x 15.77 / 1210 x 764.4 x 401	55.24 x 34.46 x 7.09 / 1403.2 x 875.2 x 180
	Set (W x H x D), inch/mm ; with wall-mount	44.09 x 23.23 x 8.28 / 1120 x 590 x 210	47.64 x 30.1 x 9.23 / 1210 x 764.4 x 234.5	–	47.64 x 30.1 x 9.23 / 1210 x 764.4 x 234.5	–	55.24 x 34.46 x 9.23 / 1403.2 x 875.2 x 234.5
Weight	Set (lb/kg)	136.69 / 62	191.8 / 87	264.55 / 120	191.8 / 87	264.55 / 120	284.4 / 129
	Set (lb/kg); with touch	–	194 / 88	269 / 122	194 / 88	269 / 122	–
Surface	Treatment	powder coated					
Temperature	Operation (°C)	-30 ~ 50					
	Storage (°C)	-40 ~ 60					
Humidity	Non-condensing (%)	20 ~ 80					
Approvals	Ingress Protection	IP65	IP65	IP65	IP65	IP65	IP64

Product Type		Super Narrow			
Standard		**D46KFB**	**D46DFB**	**D55KFB**	**D55DFB**
Panel	Screen Size (diagonal)	46" SNB		55" SNB	55" SNB
	Active Display Area (inch/mm)	40.09 x 22.54 / 1018.35 x 572.54		47.62 x 26.79 / 1209.6 x 680.4	
	Resolution	1920 x 1080			
	Aspect Ratio	16:9			
	Display Colors	16.7 M			
	Brightness (cd/m²; typ.)	700	500	700	500
	Contrast Ratio	3,500:1			
	Response Time (ms; GTG)	8			
	Viewing Angle	178°/178°			
	Lifetime (hours)	50,000			
	Backlight type	LED			
Resolution	Monitor	1920 x 1080			
	DTV	1080p			
Input		1x VGA (D-Sub) | 1x HDMI | 1x DVI | 1x Composite (BNC) | 1x Component (BNC) | 1x PC Audio | 1x Component Audio | 1x Composite Audio | 1x RS232C | 1x IR | Display Port(option), RJ45(option)			
Output		1x DVI (HDMI connector) | 1x Composite (BNC) | 1x Component (BNC) | 1x RS232C | 1x IR | 1x Audio Line Out			
Power	Input Voltage	100 – 240V AC			
	Power consumption	140 W	120 W	225 W	155 W
Features	Multi-screen function (Loop)	HDMI, Component (BNC), Composite (BNC), RS232, IR			
	Auto cooling system	Yes			
	Auto power control	Yes			
Dimension (inch/mm)	Set (W x H x D), inch/mm	40.30 x 22.77 x 3.94 / 1023.8 x 578.3 x 100.2	40.30 x 22.78 x 4.64 / 1024 x 578.6 x 117.9	47.85 x 27.01 x 3.96 / 1215.3 x 686.1 x 100.7	47.85 x 27.01 x 4.62 / 1215.5 x 686.3 x 117.3
	Seam (Bezel to Bezel)	0.217 / 5.5	0.224 / 5.7	0.217 / 5.5	0.224 / 5.7
	Seam (Active to Active)	0.224 / 5.7	0.232 / 5.9	0.224 / 5.7	0.232 / 5.9
Wall Mounting (WxH), mm		600 x 400		600 x 400 / 600 x 200	
Weight	Set (lb/kg)	50.7 / 23	47.4 / 21.5	79.37 / 36	74.96 / 34
Temperature	Operation (°C)	0 ~ 40			
	Humidity (%)	20 ~ 80			

Specification Video Wall Display

Product Type		Super Narrow		Ultra Narrow
Standard		**D552FB**	**D558FB**	**D55LFB**
Panel	Screen Size (diagonal)	55" SNB	55" SNB	55" UNB
	Active Display Area (inch/mm)	47.62 x 26.79 / 1209.6 x 680.4		
	Resolution	1920 x 1080		
	Aspect Ratio	16:9		
	Display Colors	1.0 6B		
	Brightness (cd/m²; typ.)	500	800	500
	Contrast Ratio	1,400:1	1,400:1	1,400:1
	Response Time (ms; GTG)	10	10	12
	Viewing Angle	178°/178°		
	Lifetime (hours)	60,000		
	Backlight type	LED		
Resolution	Monitor	1920 x 1080		
	DTV	1080p		
Input		1x VGA (D-Sub) | 1x HDMI | 1x DVI | 1x Composite (BNC) | 1x Component (BNC) | 1x PC Audio | 1x Component Audio | 1x Composite Audio | 1x RS232C | 1x IR | Display Port(option), RJ45(option)		
Output		1x DVI (HDMI connector) | 1x Composite (BNC) | 1x Component (BNC) | 1x RS232C | 1x IR | 1x Audio Line Out		
Power	Input Voltage	100 – 240V AC		
	Power consumption	180 W	300	180
Features	Multi-screen function (Loop)	HDMI, Component (BNC), Composite (BNC), RS232, IR		
	Auto cooling system	yes		
	Auto power control	yes		
Dimension (inch/mm)	Set (W x H x D), inch/mm	47.84 x 27.00 x 3.94 / 1215.2 x 686 x 100.2	47.84 x 27.00 x 3.94 / 1215.2 x 686 x 100.2	47.77 x 26.93 x 3.94 / 1213.4 x 684.2 x 100
	Seam (Bezel to Bezel)	0.200 / 5.3	0.21 / 5.3	0.14 / 3.5
	Seam (Active to Active)	0.220 / 5.6	0.220 / 5.6	0.15 / 3.8
Wall Mounting (WxH), mm		600 x 400 / 600 x 200		
Weight	Set (lb/kg)	72.75 / 33	72.75 / 33	50.71 / 23
Temperature	Operation (ºC)	0 ~ 40		
	Humidity (%)	20 ~ 80		

Product Type		High Brightness and High Temperature		
Standard		**D467MB**	**D471MAH(V1)**	**D551MLH**
Panel	Screen Size	46″	47″	55″
	Active Display Area (inch/mm)	40.08 x 22.55 / 1018.08 x 572.67	40.93 x 23.02 / 1039.68 x 584.82	26.79 x 47.62 / 680.4 x 1209.6
	Resolution	1920 x 1080		1080 x 1920
	Aspect Ratio	16:9		
	Display Colors	16.7 M	1.07 B	16.7 M
	Brightness (cd/m²; typ.)	2,500	2,000	2,300
	Contrast Ratio	5,000:1	1,200:1	1,300:1
	Response Time (ms; GTG)	6	10	10
	Viewing Angle	178°/178°		
	Lifetime (hours)	50,000		
	Backlight type	LED	LED	LED
Resolution	Monitor	1920 x 1080		
	DTV	1080p		
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x Composite (BNC)	1x Component (BNC)	1x PC Audio	1x Component Audio	1x Composite Audio	1x RS232C	1x IR	Display Port(option), RJ45(option)		1x VGA (D-Sub)	1x HDMI	1x PC Audio	1x RS232C
Output	Video	1x DVI (HDMI connector)	1x Composite (BNC)	1x Component (BNC)	1x RS232C	1x IR	1x Audio Line Out		1x VGA (D-Sub)	1x DVI	1x RS232C
	Audio	1x Audio Line Out		Speaker (ready)
Power	Input Voltage	100 – 240V AC		
	Power consumption	310 W	250 W	530 W
Features	Tempered Glass	no		
	Anti Reflection Coating	option		
	Touch Screen	no		
	PIR Sensor (Motion detection)	no	option	no
	Auto Brightness Sensor	yes		
Dimension	Set (W x H x D), inch/mm	TBD	42.28 x 24.34 x 4.23 / 1073.8 x 618.2 x 107.5	29.91 x 50.74 x 4.94 / 759.8 x 1289 x 125.5
	Bezel Size (U/D/L/R), inch	TBD	0.57 / 0.66 / 0.57 / 0.66	1.48 / 1.48 / 1.48 / 1.48
	Bezel Size (U/D/L/R), mm	TBD	14.6 / 16.8 / 14.6 / 16.8	37.7 / 37.7 / 37.7 / 37.7
Wall Mounting (WxH), mm		TBD	600 x 200 / 400 x 600	400 x 600
Weight	Set (lb/kg)	TBD	70.55 / 32	134.48 / 61
Temperature	Operation (°C)	0 ~ 40		
	Humidity (%)	20 ~ 80		

Specification Indoor Kiosk Display

Product Type		Indoor Kiosk			
Standard		D46ESBG	D46ESDG	D55ESBG	D55ESDG
Touch Screen		D46ESBI	D46ESDI	D55ESBI	D55ESDI
Panel	Screen Size (diagonal)	46″	46″ Dual Screen	55″	55″ Dual Screen
	Active Display Area (inch/mm)	Portrait - 22.55 x 40.08 / 572.67 x 1018.08 Landscape - 40.08 x 22.55 / 1018.08 x 572.67		Portrait - 26.79 x 47.62 / 680.4 x 1209.6 Landscape - 47.62 x 26.79 / 1209.6 x 680.4	
	Resolution	1920 x 1080		1920 x 1080	
	Aspect Ratio	16:9		16:9	
	Display Colors	1.07B		1.07B	
	Brightness (cd/m²; typ.)	500		700	
	Contrast Ratio	4,000:1		4,000:1	
	Response Time (ms; GTG)	6.5		6.5	
	Viewing Angle	178°/178°		178°/178°	
	Lifetime (hours)	50,000	50,000	50,000	50,000
	Backlight type	LED		LED	
Touch Screen	Available Touch point	1 ~ 6 Point			
	Response Time	9 ms (1P Touch) / 24 ms (6P Touch)			
	Glass	Transmission: 93%, Thickness: 4mm with anti-vandal			
	Available object size for Touch (mm)	Touch : ∅ 10 Stylus : ∅ 11			
	Interface	USB 2.0			
	Detection Method	Infrared Rays			
	HID compatible	Windows			
Resolution	Monitor	1920 x 1080		1920 x 1080	
	DTV	1080p		1080p	
Input		1x VGA (D-Sub) | 1x HDMI | 1x PC Audio | 1x RS232C OPTION ; 1x Component (BNC) | 1x Composite (BNC) | 1x Component Audio | 1x Composite Audio			
Output		1x DVI (HDMI connector) | 1x RS232C | Speaker(10 W x 2 CH) OPTION ; 1x Component (BNC) | 1x Composite (BNC)			
Power	Input Voltage	100 – 240V AC			
	Power consumption(W)	110	220	185	370
Features	Auto Cooling System	yes		yes	
	Auto Power Control	yes		yes	
	Anti Reflection Coating	option			
Dimension (WxHxD), inch/mm	Portrait	30.83 x 79.37 x 4.53(Base;24.8) / 783.2 x 2016.1 x 115(Base;630)	30.83 x 79.37 x 5.83(Base;24.8) / 783.2 x 2016.1 x 148(Base;630)	35.08 x 79.4 x 4.53(Base;24.8) / 891 x 2017 x 115 (Base : 630)	35.08 x 79.4 x 5.83(Base;24.8) / 891 x 2017 x 148 (Base : 630)
	Landscape	48.35 x 70.87 x 4.53(Base;24.8) / 1228.2 x 1800 x 115(Base;630)	–	55.9 x 73 x 4.53(Base;24.8) / 1419.8 x 1854 x 115 (Base : 630)	–
Weight Set (lb/kg)	Standard	198.4 / 90	295.4 / 134	TBD	TBD
	Touch Screen Tempered Glass	246.9 / 112	330.7 / 150	TBD	TBD
	Landscape	198.4 / 90	–	TBD	–

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Product Type		Slim Frame (Professional)				
Model		**D32EM**	**D42EM**	**D46EM**	**D55EM**	**D70EMG**
Touch Screen		–	**D42EMI(C)**	**D46EMI**	**D55EMI**	**D70EMI**
Panel	Screen Size (diagonal)	32″	42″	46″	55″	70″
	Active Display Area (inch/mm)	27.5 x 15.47 / 698.4 x 392.85	36.62 x 20.6 / 930.24 x 523.26	40.08 x 22.54 / 1018.08 x 572.67	47.62 x 26.79 / 1209.6 x 680.4	61 x 34.31 / 1549.44 x 871.56
	Resolution	1920 x 1080				
	Aspect Ratio	16:9				
	Display Colors	1.07 B				16.7 M
	Brightness (cd/m²; typ.)	450	500	500	700	400
	Contrast Ratio	3,000:1	4,000:1			
	Response Time (ms; GTG)	8	8	6.5	6.5	8
	Viewing Angle	178°/178°				
	Lifetime (hours)	50,000				
	Backlight type	LED				
Touch Screen	Available Touch point	–	1 ~ 6 Point			1 ~ 10 Point
	Response Time	–	9ms (1P Touch) / 24ms (6P Touch)			8ms (1P) / 20ms (6P)
	Glass	–	Transmission: 93 %, Thickness : 5 mm	Transmission: 93 %, Thickness : 3.2 mm	Transmission: 93 %, Thickness : 4.0 mm	Transmission: 93 %, Thickness : 5 mm
	Available object size for Touch (mm)	–	Touch : Ø 10 Stylus : Ø 11	Touch : Ø 10 Stylus : Ø 11	Touch : Ø 10 Stylus : Ø 11	Touch : Ø 10 Stylus : Ø 12
	Interface	–	USB 2.0			
	Detection Method	–	Infrared Rays			
	HID compatible	–	Windows			
Resolution	Monitor	1920 x 1080				
	DTV	1080p				
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x PC Audio	1x RS232C	1x IR	Display Port(option)				
Output		1x DVI (HDMI connector)	1x RS232C	1x Audio Line Out	1x IR I Speaker (ready)				
Power	Input Voltage	100 – 240V AC				
	Power consumption	65 W	110 W	110 W	185 W	300 W
Features	Auto power control	yes				
	PIR Sensor (Motion detection)	option				
	Auto Brightness Sensor	yes				
Dimension	Set (W x H x D), mm	744.15 x 438.15 x 43	963.2 x 553.7 x 40.3	1049.1 x 601.25 x 40.3	1240.6 x 709 x 40.3	1605.4 x 927.4 x 70
	Set (W x H x D), mm - with Touch Screen	–	986.4 x 579.5 x 55.2	1065.9 x 620.5 x 57.1	1259.9 x 730.7 x 56.8	1605.4 x 927.4 x 82
	Bezel Size (U/D/L/R), mm	21.1 / 21.1 / 21.1 / 21.1	13.15 / 13.15 / 14.4 / 14.4	12.7 / 12.7 / 13.9 / 13.9	12.7 / 12.7 / 13.9 / 13.9	25.3 / 25.3 / 25.35 / 25.35
	Bezel Size (U/D/L/R), mm - with Touch Screen	–	23.9 / 23.9 / 23.9 / 23.9	20.1 / 20.1 / 20.1 / 20.1	20.1 / 20.1 / 20.1 / 20.1	23.9 / 23.9 / 23.9 / 23.6
Wall Mounting (WxH), mm		300 x 300	300 x 300	300 x 300 / 400 x 400 / 600 x 400		800 x 400 / 800 x 600
Weight	Set (lb/kg)	22.05 / 10	39.7 / 18	44.1 / 20	63.93 / 29	154.32 / 70
Temperature	Operation (°C)	0 ~ 40				
	Humidity (%)	20 ~ 80				

Specification Slim / General Display

Product Type		Slim Frame (General Display)		
Model		**D32AM**	**D55AM**	**D84AMG**
Touch Screen		–	–	**D84AMI**
Panel	Screen Size (diagonal)	32"	55"	84"
	Active Display Area (inch/mm)	27.5 x 15.47 / 698.4 x 392.9	47.62 x 26.79 / 1209.6 x 680.4	73.25 x 41.2 / 1860.48 x 1046.52
	Resolution	1920 x 1080		
	Aspect Ratio	16:9		
	Display Colors	16.7 M		1.06 B
	Brightness (cd/m²; typ.)	350		
	Contrast Ratio	3,000:1	1,400:1	1,400:1
	Response Time (ms; GTG)	6	6	5
	Viewing Angle	178°/178°		
	Lifetime (hours)	50,000		
	Backlight type	LED		
Touch Screen	Available Touch point	–	–	1 ~ 10 Point
	Response Time	–	–	8ms (1P Touch) / 20ms (10P Touch)
	Glass	–	–	Transmission : 93%, Thickness : 5mm
	Available object size for Touch (mm)	–	–	Touch : ∅ 10 / Stylus : ∅ 12
	Interface	–	–	USB 1.0 / USB 2.0
	Detection Method	–	–	Infrared Rays
	HID compatible	–	–	Windows
Resolution	Monitor	1920 x 1080		
	DTV	1080p		
Input		1x VGA (D-Sub)	1x HDMI	1x DVI	1x PC Audio	1x RS232C	1x IR	Display Port(option)		
Output		1x DVI (HDMI connector)	1x RS232C	1x Audio Line Out	1x IR I Speaker (ready)		
Power	Input Voltage	100 – 240V AC		
	Power consumption	60 W	140 W	450 W
Features	Auto power control	yes		
	PIR Sensor (Motion detection)	option		
	Auto Brightness Sensor	no	no	yes
Dimension	Set (W x H x D), inch/mm	29.3 x 17.17 x 1.71 / 744.1 x 438.6 x 43.5	49.24 x 28.7 x 1.59 / 1250.6 x 729 x 40.5	75.17 x 43.38 x 3.16 / 1909.4 x 1101.8 x 80.2
	Set (W x H x D), inch/mm - with Touch Screen	–	–	75.5 x 43.38 x 3.63 / 1917.8 x 1101.8 x 92.2
	Bezel Size (U/D/L/R), mm	21.05 / 21.05 / 21.05 / 21.05	22.3 / 22.3 / 18.5 / 18.5	22.3 / 22.3 / 18.5 / 18.5
	Bezel Size (U/D/L/R), mm - with Touch Screen	–	–	23.1 / 23.1 / 23.6 / 23.1
Wall Mounting (WxH), mm		300 x 300	600(400 or 300) x 400(300)	800 x 400 / 800 x 600
Weight	Set (lb/kg)	24.25 / 11	58.42 / 26.5	242.51 / 110
Temperature	Operation (ºC)	0 ~ 40		
	Humidity (%)	20 ~ 80		

Product Type		Media Player Display	
Model		**P32EMV**	**P42EMV**
Panel	Screen Size (diagonal)	32"	42"
	Active Display Area (inch/mm)	27.5 x 15.47 / 698.4 x 392.85	36.62 x 20.6 / 930.24 x 523.26
	Resolution	1920 x 1080	1920 x 1080
	Aspect Ratio	16:9	16:9
	Display Colors	16.7 M	16.7 M
	Brightness (cd/m²; typ.)	350	500
	Contrast Ratio	3,000:1	4,000:1
	Response Time (ms; GTG)	8	8
	Viewing Angle	178°/178°	178°/178°
	Lifetime (hours)	50,000	50,000
	Backlight type	LED	LED
Input		HDMI	VGA(D-SUB)	AV	USB	SD Card	PC Audio	
Output		Speaker (ready)	
Media Player	Movie	MPEG-2, MPEG-4, WMV, AVI	
	Photo	JPG	
	Music	MP3	
Power	Input Voltage	100 – 240V AC	
	Power consumption	45 W	110 W
Dimension	Set (W x H x D), inch	29.30 x 19.16 x 1.59	37.92 x 21.90 x 1.59
	Set (W x H x D), mm	744.15 x 438.6 x 40.3	963.2 x 556.15 x 40.3
Bezel Size (U/D/L/R); inch	mm		0.83 / 0.83 / 0.83 / 0.83	21.1 / 21.1 / 21.1 / 21.1	0.57 / 0.57 / 0.57 / 0.57	14.4 / 14.4 / 14.4 / 14.4
Wall Mounting (WxH), mm		300 x 300	300 x 300
Weight	Set (lb/kg)	22.04 / 10	39.69 / 18
Environmental conditions	Operation (°C)	0~ 40	0~ 40
	Humidity (%)	20 ~ 80	20 ~ 80

Specification Interactive Whiteboard

Product Type		Interactive Whiteboard		
Standard		E55AL	E70AL	E84AL
Panel	Screen Size (diagonal)	55"	70"	84"
	Active Display Area (inch/mm)	47.62 x 26.79 / 1209.6 x 680.4	61.00 x 34.31 / 1549.44 x 871.56	73.25 x 41.20 / 1860.48 x 1046.52
	Resolution	1920 x 1080	1920 x 1080	3840 x 2160
	Display Colors	16.7 M	16.7 M	1.06 B
	Brightness (cd/m²; typ.)	350	400	350
	Contrast Ratio	1,400:1	4,000:1	1,600:1
	Response Time (ms; GTG)	8	8	5
	Viewing Angle	178°/178°		
	Lifetime (hours)	50,000		
	Backlight type	LED		
Touch Screen	Touch Accuracy (typ.)	5 mm		
	Resolution	32767 x 32767		
	Response Time (ms, typ.)	9		
	Response Rate	125 rps		
	Interface	USB 2.0 compatible(full speed), HID compatible, Plug & Play compatible		
	Detection Method	Optical image sensors		
	Operating Systems	Windows XP/Vista/7, Linux, Mac OSX Windows		
Resolution	Monitor	1920 x 1080		
	DTV	1080p		
Input		1x VGA (D-Sub) | 1x HDMI | 1x DVI | 1x Composite (BNC) | 1x Component (BNC) | 1x PC Audio | 1x Component Audio | 1x Composite Audio | 1x RS232C		
Output		1x DVI | 1x RS232C | Speaker (10Wx2CH)		
Power	Input Voltage	100 – 240V AC		
	Power consumption	150 W	300 W	450 W
Features	Auto power control	Yes		
	PIR Sensor (Motion detection)	option		
	Auto Brightness Sensor	Yes		
	Tempered Glass	5 mm, Anti-Glare		
	Auto Brightness Sensor	Yes		
	Stand	Option		
Dimension	Set (W x H x D), inch/mm	54.28 x 32.93 x 2.52 / 1387.6 x 836.4 x 64	68.06 x 40.5 x 3.15 / 1728.7 x 1028.8 x 80	78.6 x 47.39 x 3.35 / 2039.75 x 1203.75 x 85
	Wall Mounting (WxH), mm	300 x 300 / 400 x 400 / 600 x 400	800 X 600	800 x 600
	Weight - Set (lb/kg)	99.21 / 45	163.14 / 74	242.50 / 110
Temperature	Operation (°C)	0 ~ 40		
	Humidity (%)	20 ~ 80		

Product Type		Interactive Whiteboard			
Standard		E42AL	E60BL	E70BL	E84BL
Panel	Screen Size (diagonal)	42″	60″	70″	84″
	Active Display Area (inch/mm)	36.62 x 20.6 / 930.24 x 523.26	51.93 x 29.21 / 1319.04 x 741.96	61.00 x 34.31 / 1549.44 x 871.56	73.25 x 41.20 / 1860.48 x 1046.52
	Resolution	1920 x 1080			3840 x 2160
	Display Colors	1.07 B	1.06 B	16.7 M	1.06 B
	Brightness (cd/m²; typ.)	500	350	400	350
	Contrast Ratio	4,000:1	1,600:1	4,000:1	1,600:1
	Response Time (ms; GTG)	8	5	8	5
	Viewing Angle	178°/178°			
	Lifetime (hours)	50,000			
	Backlight type	LED			
Touch Screen	Touch Accuracy (typ.)	3 mm	5 mm		
	Resolution	16383 x 16383	32767 x 32767		
	Response Time (ms, typ.)	9			
	Response Rate	125 rps			
	Interface	USB 2.0	USB 2.0 compatible(full speed), HID compatible, Plug & Play compatible		
	Detection Method	Infrared rays	Optical image sensors		
	Operating Systems	Windows, Linux	Windows XP/Vista/7, Linux, Mac OSX Windows		
Resolution	Monitor	1920 x 1080			
	DTV	1080p			
Input		1x VGA (D-Sub)	2x HDMI	1x USB	1x DVI	1x Composite (BNC)	1x Component (BNC)	1x PC Audio	1x Component Audio	1x Composite Audio	1x RS232C	1x IR			
Output		1x DVI	1x RS232C	1x IR	1x Audio line out	Speaker (10Wx2CH)			
Power	Input Voltage	100 – 240V AC			
	Power consumption	105 W	180 W	300 W	450 W
Features	Auto power control	Yes			
	PIR Sensor (Motion detection)	option			
	Auto Brightness Sensor	Yes			
	Tempered Glass	3 mm, Anti-Glare	5 mm, Anti-Glare		
	Auto Brightness Sensor	Yes			
	Stand	Option			
Dimension	Set (W x H x D), inch/mm	40.76 x 25.21 x 2.36 / 1035.4 x 640.4 x 60	58.39 x 35.67 x 3.62 / 1483.2 x 906.2 x 92	67.59 x 40.91 x 3.62 / 1716.9 x 1039 x 92	79.84 x 47.78 x 3.62 / 2027.95 x 1213.95 x 92
	Wall Mounting (WxH), mm	300 x 300	600 x 400 / 400 x 400	800 x 600 / 800 x 400	800 x 600 / 800 x 400
	Weight - Set (lb/kg)	/ 28.5	/ 58	163.14 / 74	242.50 / 98.5
Temperature	Operation (ºC)	0 ~ 40			
	Humidity (%)	20 ~ 80			

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