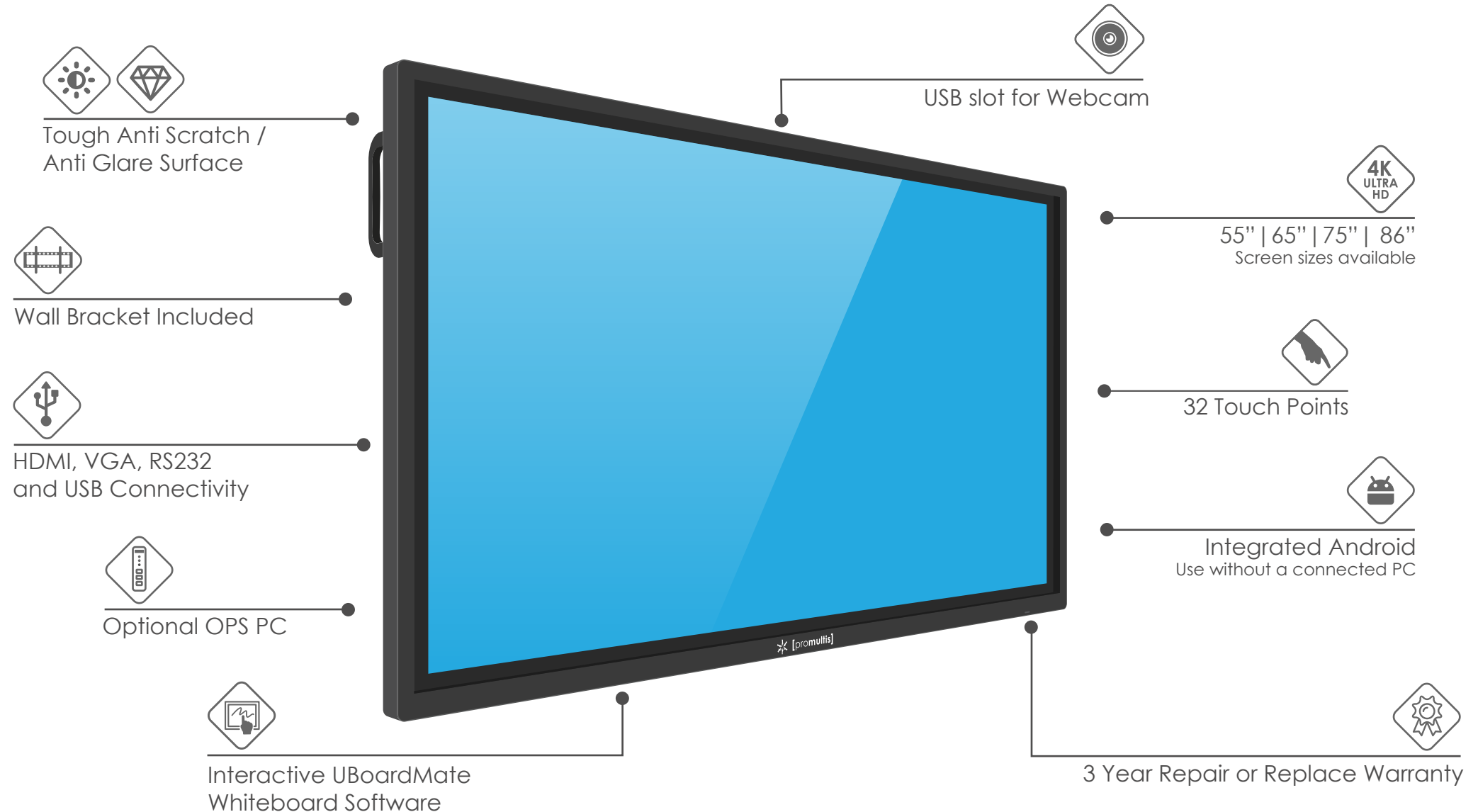




**[promultis]**

# Lightning III Touch Screen

Offering 32 touch points & 4K UHD, the picture quality is excellent and the touch response is superb. The screen is perfect for Business, Education and Commercial use.



**The Promultis Lightning III is a highly versatile, fast and reliable multitouch screen. With a narrow bezel and modern sleek design, this unit is extremely well equipped with the latest in multitouch infra-red technology.**

Available in sizes from 55" up to 86" and all are 4K UHD. The wall or stand mounted Lightning III screen is a very flexible and highly cost-effective solution to a multitude of needs.

Promultis Touch Screens are ideal for:

- Control rooms
- Interactive digital signage
- Education and training rooms
- Presentation environments
- Video conferencing
- Boardrooms
- Reception area

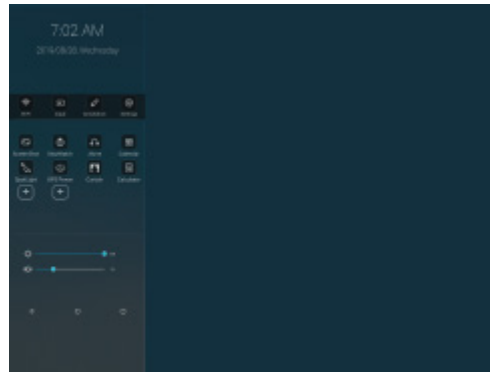


### Integrated Android 8.0

Connect a usb drive to one of the usb ports on the display and upload your media directly into the built-in Android Operating System. View and manage your media assets directly from the usb drive.

In addition, you can open the Play Store and install any app onto the screen.

### Onscreen Menu



Onscreen menu allows you to change volume, change video input, freeze the screen, annotate, and turn off the screen. These options are also accessible from the buttons on the side of the screen.

### Optional PC integration in rear of display

OPS PC with Intel i5 or i7 Processor and built-in A/C band WiFi Router.



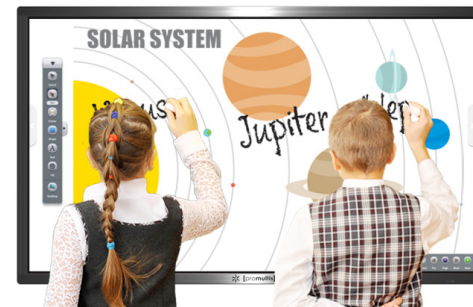
### USB port for camera

USB port on the top of the display for usb web camera, allowing you to use the Lightning III as a very powerful video conferencing tool and take advantage of a whole host of photo and video applications.



*In this example Promultis developed interactive software to exploit the screen webcam feature allowing the client's employees to upload their photograph and add a message of support for an on-going product development.*

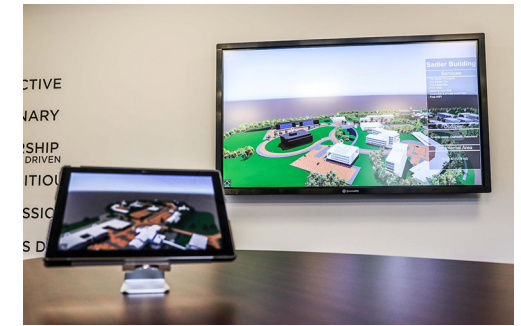
### Promultis White Board Software



The Lightning III also comes with our industry renowned UboardMate interactive whiteboard software, which allows you to interact with the screen content in a multitude of fun and creative ways, perfect for education and training.

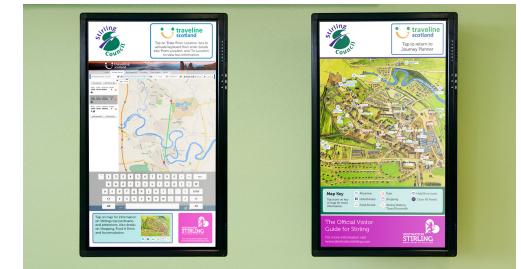
### Optional Collaboration Software

Promultis software solutions help you to make presentations more interactive. Allowing your audience to connect wirelessly and contribute to your presentation and collaborate with each other from their own devices. Participants can contribute, add their own notes, capture content and save that session for review at a later date. Enhance meetings, presentations, training and teaching.



### Optional Bespoke Interactive Software

Engage with customers through a fully branded, interactive application with multi-user, collaborative interface incorporating your corporate identity, images, literature, audio files, videos, web sites and social media.



*Interactive, digital signage solution developed for a city centre transport hub in Scotland featuring wayfinding, local attractions and transport timetables.*

	55" Lightning III	65" Lightning III	75" Lightning III	86" Lightning III
<b>PANEL</b>				
Screen Size	55" (54.64")	65" (64.53")	75" (74.52")	86" (85.6")
Panel Technology	TFT LCD	TFT LCD	TFT LCD	TFT LCD
Display Resolution	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Brightness (Type)	350 cd /m <sup>2</sup>	350 cd /m <sup>2</sup>	350 cd /m <sup>2</sup>	350 cd /m <sup>2</sup>
Contrast (Type)	1300 : 1	1300 : 1	1200 : 1	1200 : 1
Response Time (Gray To Gray)	9 ms	9 ms	8 ms	8 ms
Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz
Viewing Angle (H / V)	178° / 178°	178° / 178°	178° / 178°	178° / 178°
Display Colors	1.07B (10-bit)	1.07B (10-bit)	1.07B (10-bit)	1.07B (10-bit)
Backlight Type	Direct LED	Direct LED	Direct LED	Direct LED
Service Life	> 30,000 Hours	> 30,000 Hours	> 30,000 Hours	> 30,000 Hours
Installation	Landscape	Landscape	Landscape	Landscape
<b>TOUCH</b>				
Detection Method	Infrared	Infrared	Infrared	Infrared
Available Touch Point	32 Point (5 point Φ3mm)	32 Point (5 point Φ3mm)	32 Point (5 point Φ3mm)	32 Point (5 point Φ3mm)
Response Time (Type)	<= 10 ms	<= 10 ms	<= 10 ms	<= 10 ms
Minimum Response Size	>= Φ3mm	>= Φ3mm	>= Φ3mm	>= Φ3mm
Touch Resolution	32768 x 32768	32768 x 32768	32768 x 32768	32768 x 32768
Communication Interface	USB	USB	USB	USB

	55" Lightning III	65" Lightning III	75" Lightning III	86" Lightning III
<b>CONNECTIVITY</b>				
HDMI2.0 Input(s)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)	3 (2 Side; 1 Front / Type-A)	3 (2 Side; 1 Front / Type-A)
HDMI Output	1 (Side, 4k@60Hz or 2k@60Hz)	1 (Side, 4k@60Hz or 2k@60Hz)	1 (Side, 4k@60Hz or 2k@60Hz)	1 (Side, 4k@60Hz or 2k@60Hz)
VGA Input(s) (with Mini Jack Audio Input)	1 (Bottom/DE-15F)	1 (Bottom/DE-15F)	1 (Side/DE-15F)	1 (Side/DE-15F)
DisplayPort 1.2Input(s)	1 (side)	1 (side)	1 (side)	1 (side)
Digital Audio Output(S)	1 (Bottom / Optical)	1 (Bottom / Optical)	1 (Bottom / Optical)	1 (Bottom / Optical)
Headphone Output(s)	1 (Bottom / Mini Jack)	1 (Bottom / Mini Jack)	1 (Bottom / Mini Jack)	1 (Bottom / Mini Jack)
USB 3.0Port(s)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)
USB type C	1 (Front/Type-C)	1 (Front/Type-C)	1 (Front/Type-C)	1 (Front/Type-C)
USB 2.0Port(s)	1 (Side,Type-A)	1 (Side,Type-A)	1 (Side,Type-A)	11 (Side,Type-A)
RS-232C Port(s)	1 (Bottom / DE-9F)	1 (Bottom / DE-9F)	1 (Bottom / DE-9F)	1 (Bottom / DE-9F)
LAN Port(s)	2 (Bottom ; 1XRJ45 for 10/100/1000 BaseT; 2 (Bottom ; 1XRJ45 for 10/100/1000 BaseT;	(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 2 (Bottom ; 1XRJ45 for 10/100/1000 BaseT;	(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 2 (Bottom ; 1XRJ45 for 10/100/1000 BaseT;	(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 2 (Bottom ; 1XRJ45 for 10/100/1000 BaseT;
WI-Fi Module	1X 802.11a/b/g/n/ac, Optional,(for wifi)	1X 802.11a/b/g/n/ac, Optional,(for wifi)	1X 802.11a/b/g/n/ac, Optional,(for wifi)	1X 802.11a/b/g/n/ac, Optional,(for wifi)
Touch Out	3 (2 Side / USB Type-B;1 Front;)	3 (2 Side / USB Type-B;1 Front;)	3 (2 Side / USB Type-B;1 Front;)	3 (2 Side / USB Type-B;1 Front;)
Bluetooth Version	5.0 (Optional)	5.0 (Optional)	5.0 (Optional)	5.0 (Optional)
<b>SOUND</b>				
Audio Power Output (RMS)	15W x 2	15W x 2	15W x 2	15W x 2
Subwoofer	N/A	N/A	N/A	N/A
Speaker Position	Down Firing	Down Firing	Down Firing	Down Firing

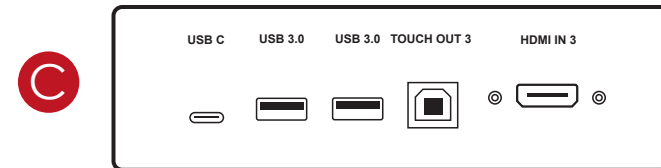
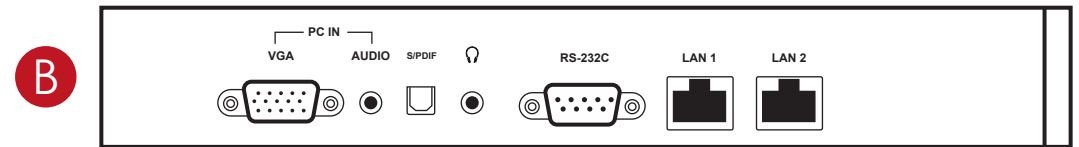
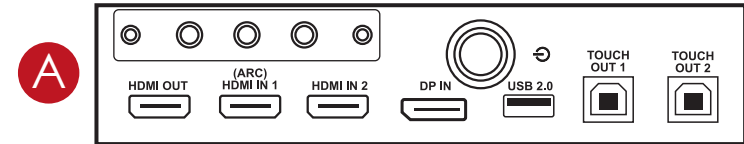
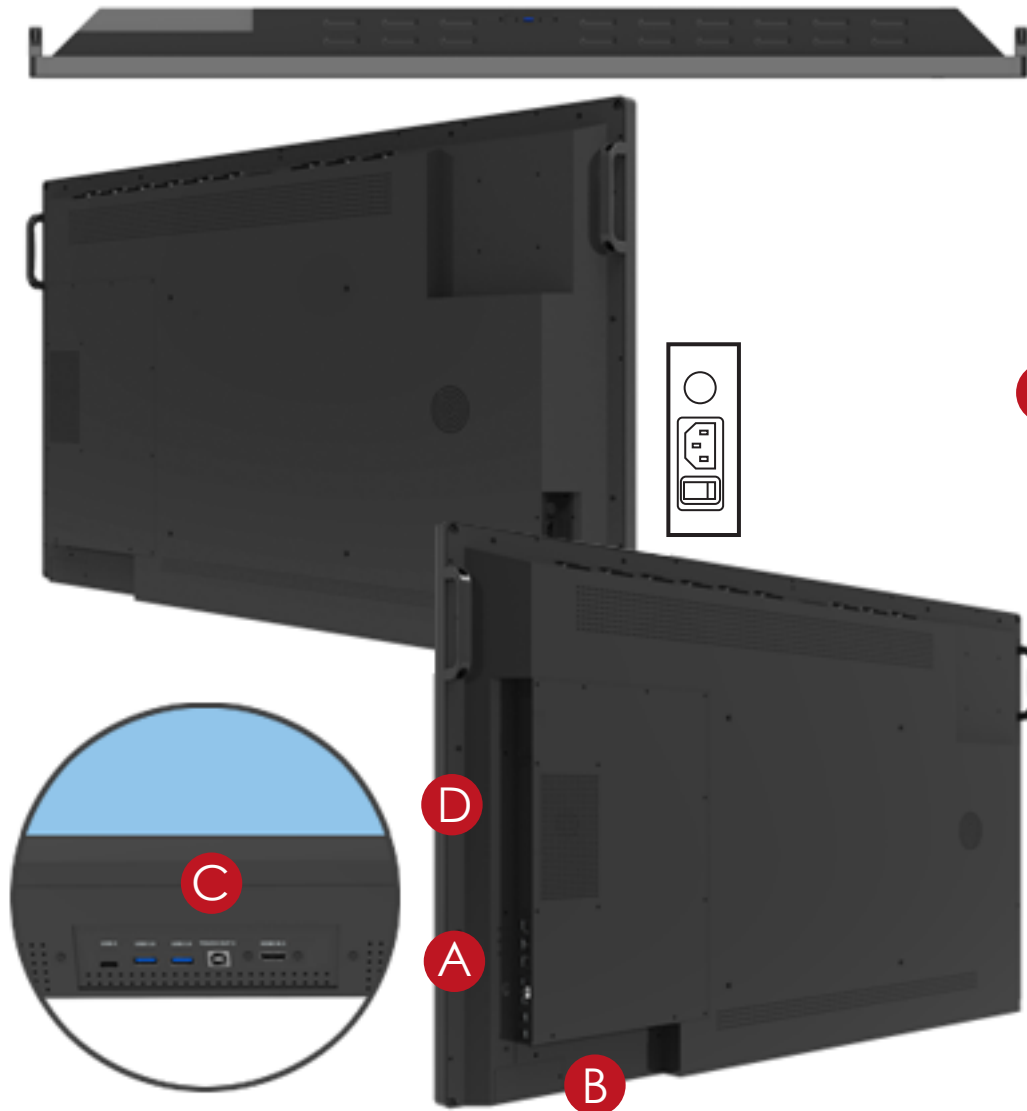
	55" Lightning III	65" Lightning III	75" Lightning III	86" Lightning III
<b>SMART SYSTEM</b>				
CPU	ARM Cortex A73x2; Cortex A53x2	ARM Cortex A73x2; Cortex A53x2	ARM Cortex A73x2; Cortex A53x2	ARM Cortex A73x2; Cortex A53x2
GPU	G51MP4	G51MP4	G51MP4	G51MP4
Operating System	Android 8.0	Android 8.0	Android 8.0	Android 8.0
Memory	4 GB	4GB	4GB	4GB
On-Board Storage	32GB	32GB	32GB	32GB
<b>OSD</b>				
OSD Language Function	English	English	English	English
<b>MECHANICAL</b>				
Dimension of Product (W x H x D)	1285.5mm x 766.2mm x 90mm	1490.5mm x 875.5mm x 89.3mm	1714.7mm x 1002.8mm x 89.3mm	1959.5mm x 1140.2mm x 89.3mm
Dimension of Package Carton (W x H x D)	1414mm x 901mm x 232mm	1676mm x 1097mm x 231mm	1875mm x 1186mm x 231mm	2139mm x 1363mm x 231mm
VESA® Hole Pitch (W x H)	400 x 400 (mm), M8 Screw	400 x 600 (mm), M8 Screw	600 x 800 (mm), M8 Screw	600 x 800 (mm), M8 Screw
Weight of Product	34.3kg	43kg	55.9kg	66kg
Weight of Package Carton (Gross)	45kg	56kg	75.8kg	85kg
Front Glass	Tempered Glass (Anti-glare Type)	Tempered Glass (Anti-glare Type)	Tempered Glass (Anti-glare Type)	Tempered Glass (Anti-glare Type)
<b>POWER</b>				
Power Supply	AC 100-240 V 50 / 60Hz	AC 100-240 V 50 / 60Hz	AC 100-240 V 50 / 60Hz	1 AC 100-240 V 50 / 60Hz
Power Consumption (in Operation)	125	160	295	360
Power Consumption (in Standby)	<= 0.5 W	<= 0.5 W	<= 0.5 W	<= 0.5 W
ECO Sensor	Yes	Yes	Yes	Yes
<b>ENVIRONMENTAL</b>				
Operation Temperature	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C
Storage Temperature	-20 - 60°C	-20 - 60°C	-20 - 60°C	-20 - 60°C
Operation Humidity	20 - 80 %RH (No Condensation)	20 - 80 %RH (No Condensation)	20 - 80 %RH (No Condensation)	20 - 80 %RH (No Condensation)
Storage Humidity	10 - 90 %RH	10 - 90 %RH	10 - 90 %RH	10 - 90 %RH



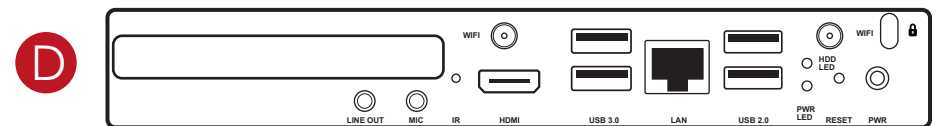
[promultis]

# Lightning III Touch Screen Connectivity

USB port for webcam or camera



Optional PC OPS module

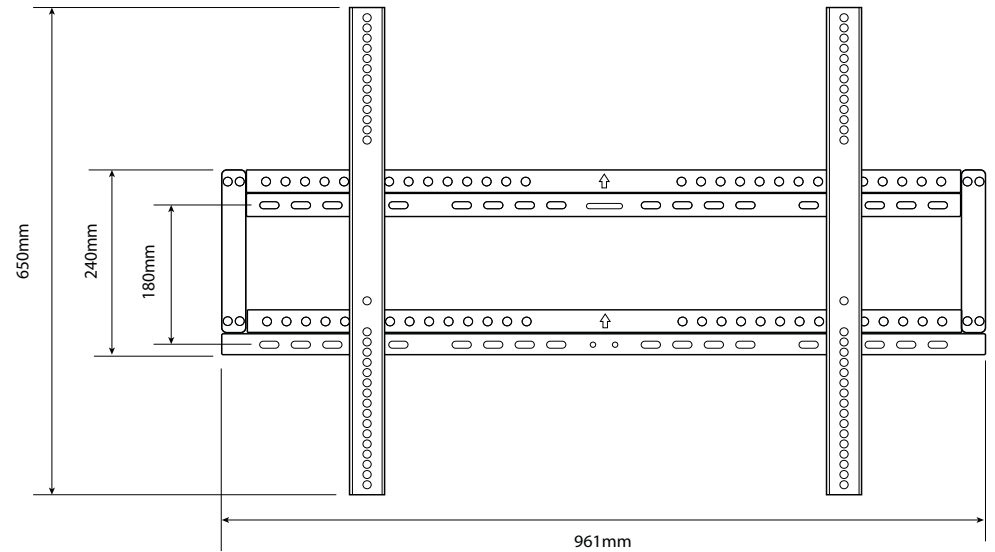


Note: Product design specifications including dimensions are subject to change without notice and may vary from those shown.

Optional PC Options	
OPERATING SYSTEM	Windows 10 / DOS
CPU	6th / 7th Generation Intel® Core™ Mobile Processor
CHIPSET	Integrated
GRAPHICS	Integrated
GRAPHICS	4 GB Up to 32 GB Dual Channel, DDR4L 2 x SO-DIMM
STORAGE	2.5" 500 GB Up to 2 TB SATA Hard Drive 128 GB Up to 256 GB M2.2242 SSD (optional)
WIRELESS DATA NETWORK	802.11 a/b/g/n/ac, Bluetooth V4.0
LAN	10/100/1000 Mbps
AUDIO	High Definition 5.1 Channel Audio
I/O PORTS	2 x USB 3.0 2 x USB 2.0 1 x HDMI (3840 x 2160 @30Hz) 1 x RJ45 LAN 2 x Audio Jack(s) (Line out/Mic in)
OPS Interface	HDMI (up to 3840 x 2160 @60Hz)
DIMENSION (mm)	180mm(L) x 119mm(W) x 30mm(H)
WEIGHT(kg)	0.9kg



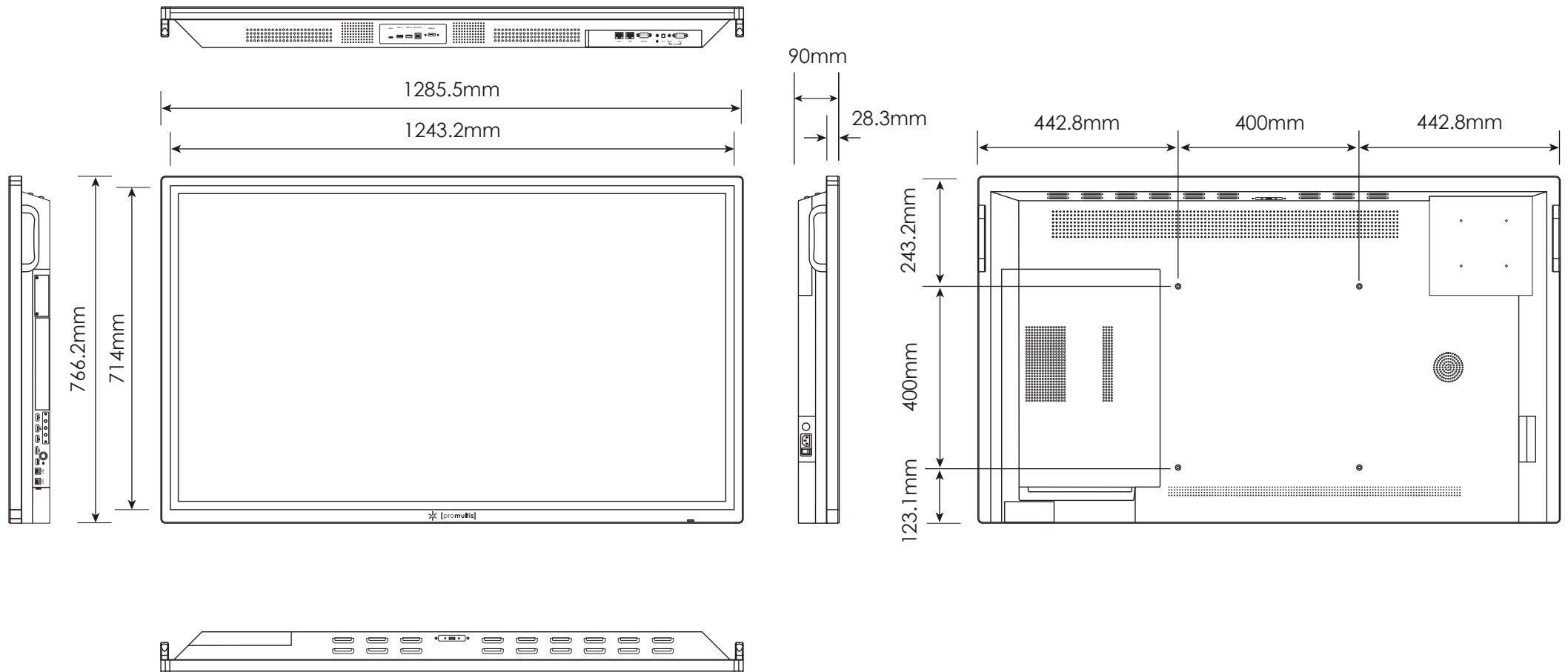
Supplied Mounting Bracket			
Width	Height	Depth	Weight
960 mm	240 mm	29.4 mm	8kg





[promultis]

# 55inch Lightning III Touch Screen with Infrared Technology



Note: Product design specifications including dimensions are subject to change without notice and may vary from those shown.



[promultis]  
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit  
[www.promultis.info](http://www.promultis.info)  
or call +44 (0) 239 251 2794