



SERIES

Datasheet 65 / 75



ES SERIES

The Es-BB Series is an affordable, feature rich interactive display that just simply works. It provides an easy to use, 20 point touch HD interactive touchscreen experience, suitable for Education, Business and Corporate users who want the essential features,

Features

CONNECTIVITY

Easily connect other devices in the room to the Es Series - HDMI, VGA, USB Ports & RS232 connectivity is provided. The Intellitouch display makes it super easy to select the input source you want.

IR TOUCH TECHNOLOGY

Use either the supplied pens for greater accuracy, or draw multiple lines simultaneously using your hand - it's never been easier to create or annotate.

FREEZE FRAME

When you connect a laptop, you can use the Freeze Frame to freeze displayed content on your screen for others whilst you can carry on working from your laptop.

SAVE MONEY

Savings in running costs: a 65" Es Series uses 300 watts on average - a typical projector system uses 1010 watts. Plus save on bulb replacement and an unsurpassed life cycle.



TOUGH & SCRATCH RESISTANT

Designed to withstand excessive use - The AG 4mm Tempered glass is built to last!

ANTI-GLARE

Watch and read screen content with exceptional clarity in daylight without reflection and glare - no need to darken the room. Crystal clear text and images reduce eye strain and keep the room engaged with your content.

CLUTTER-FREE FRONT

With 2 ports on the front we've made it easier to connect wireless dongles or storage utilising superfast USB 3.0 connectivity.



Our displays are RoHs compliant. See discoveribt.com/green for more information



PC MODULE

For an all in one solution, add an integrated PC module



20 POINT TOUCH

Utilise the multiple simultaneous writing points or use with multiple users



INTEGRATED SPEAKERS

Two 10W speakers are integrated in the bottom loudspeaker



NO CALIBRATION

Our displays are ready to go straight out of the box



4K UHD

As with all our displays enjoy 4K UHD for a crisper sharper image



WiFi & Bluetooth

Wifi & Bluetooth enabled on every Es Display

COMPATIBLE WITH



Connect your own Laptop, PC or Mac and use your own software on the big screen.



CE Approved



Green Energy

All of our screens are green energy compliant



Along with a purchase of an Es-BB, you'll gain access to Nuc. This digital whiteboarding software lets you draw and create using dozens of different tools and a library of pre-made assets to choose from. Drag and drop images, video and audio seamlessly onto your workspace. Open your documents, powerpoints, spreadsheets and PDFs, all in one software package.

To find out more about NUC, head over to www.discoveribt.com/nuc



WHAT'S INCLUDED WITH THE ES-BB?

- **SCREENSHARE CONNECT**
- **ONE TREE** IS PLANTED FOR EVERY SCREEN PURCHASED BY HARRIS FEDERATION TO OFFSET THE CARBON FOOTPRINT GENERATED TO CARBON NEGATIVE

OPTIONAL EXTRAS

- **HIVE** INTERACTIVE CREATION & COLLABORATION SOFTWARE
- **COMMAND & CONTROL** ADMIN CONTROL SYSTEM FOR IBT DEVICES

See more optional extras at www.discoveribt.com/products

ALSO INCLUDED



5 YEARS WARRANTY

BUY WITH CONFIDENCE

T&Cs Apply

INTERACTIVE SOFTWARE

FOR CREATION, COLLABORATION,
ANNOTATION AND PRESENTATION



Hive - the subscription free software that offers whiteboarding, collaboration, assessment, and multi-file support all-in-one. The infinite canvas can be navigated easily as you create, meaning you don't have to limit your ideas to a fixed page. Move around your page dynamically as you drag and drop images, video, audio, text and more onto your Hive board.

Open Smart & Promethean files natively, giving teachers budget-friendly access to their legacy resources without having to pay a subscription fee. Drag in your Microsoft Word, PowerPoint and spreadsheets into Hive, even without the original software installed.

Hive continues to grow with more features being added and plenty more in the pipeline - See below what else it can do.



Collaboration Sessions

With Nexus integration, you can create collaboration sessions with users on the same network. Send and receive files, set feedback sessions, and share and control screens with multiple user input, all controlled from a single Hive account.



Cloud Files & Live Upload

Access your DropBox or Google Drive to upload or download your files. Stream a live recording of your Hive board directly to your YouTube account for your followers or students to view easily, or visit later for revision.

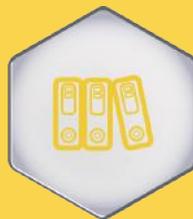


Image Bank

Access the Hive Library of ClipArt, backgrounds and an array of special characters and shapes. Access your own files and connected external storage devices to quickly drag and drop content onto the Hive canvas.



Smart & Promethean Files

Open your Smart or Promethean files natively in Hive, with all pre-existing layering and animation intact, so there is no need to delete your old files.



Mini-Apps

Tools such as 'screen recorder' and 'board in board' are purpose built to make teaching easier as well as allowing for revision later on. The large variety of different "apps" let you unleash the true power of using Hive software.



Create and design endlessly with over 27 tools available to draw your masterpiece on the infinite canvas.



Create a slideshow of your pages with no limits. Set timers and have it automatically play for the room.



Annotate, screenshot, and import into the Hive canvas. Pictures are automatically embedded and saved within your Hive project.



Sloppy handwriting? The recognition tool will automatically convert your freehand into a standard editable text format.



Easily switch back to your desktop with a floating Hive panel allowing you to quickly annotate.



Import your Microsoft and PDF documents into Hive seamlessly.

NEXUS COLLABORATION

WIRELESS FILE SHARING, ASSESSMENTS, AND COLLABORATIVE CONTROL

Want to allow up to 40 learners to connect to your digital whiteboard using their own Android tablets, Ipad's or Windows laptops so you can work collaboratively and foster a sharing of ideas and learning together?

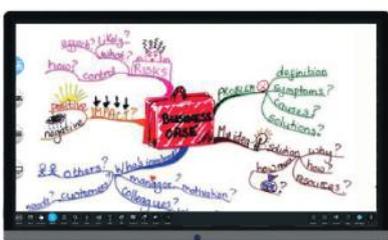
Start a Nexus Collaboration session within Hive with just a few taps and students on the same wi-fi network can contribute to a shared page for everyone to see. With you in control, give individuals permission to add their own digital ink, share their screen for the rest of the class, or let them access a private area to make notes that aren't visible when showcasing their work.

When working alone, students can ask for assistance using the 'hand up' feature. You will then receive a notification in the host panel.

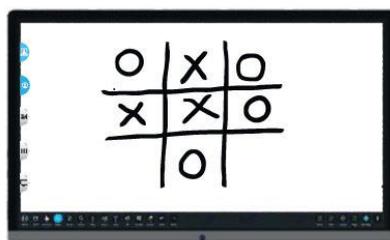


Want to ask students for feedback or to complete an assessment or quiz using their devices?

Start a response session using pre-saved questions and view the results by question or by student as soon as the time you allocate to the session is up. Answers are automatically tallied allowing you see clearly where there were weaker areas of understanding that need revision. You can also send files to students, adding in due dates and additional notes - a convenient way to share and receive files during a collaboration session without having to rely on emails or shared folders.



Students can showcase their work to the room



Two-way communication for easy collaboration



Set timed assessments and feedback polls

5 Nexus Collaboration Participant Licenses are included with Hive. Additional licences can be purchased seperately.
Upgrade your ES Series with Hive IWB Software.

Specifications

DISPLAY

Size (Inches)	65
Aspect Ratio	16:9
Resolution	3840(H) x 2160(V)
Backlight type	DLED
Refreshing Frequency	60Hz
Display Colour	1.07B (10bit)
Display Area	1428.48 (H)×803.52(V)mm
Pixel Pitch	0.372×0.372mm
Response Time	8ms
Dynamic Contrast Ratio	10,000:1
Viewing Angle	178° (H/V)
Lifetime	≥30000 Hours
Brightness with Glass (typ)	300 cd/m2
Brightness with Glass (min)	350 cd/m2

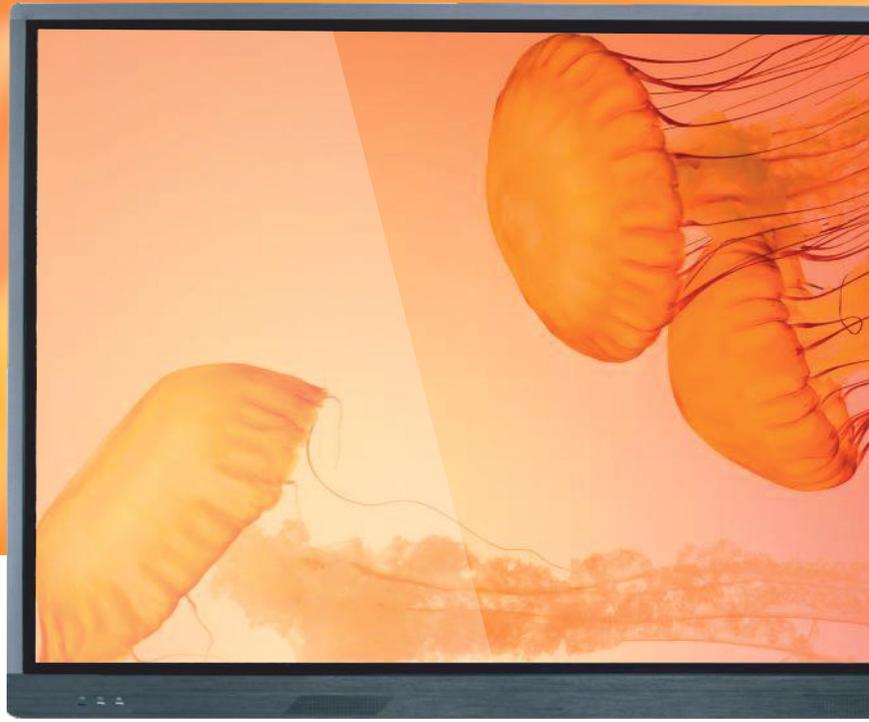
TOUCH SYSTEM

Sensing Type	Infrared Recognition
Touch Point	20 Points Touch
Touch Tool	Finger, Passive Infrared Pen
Minimum Object Size	3mm
Response Time	≤10ms
Accuracy	±2mm
Writing Height	≤3mm
Touch Drive	Free Drive
Communication Mode	Full-Speed USB
Interpolation Resolution	32767(W) x 32767(D)

I/O PORT

HDMI IN	3	HDMI OUT	1	TOUCH 2.0	3
USB 2.0	3	USB 3.0	3	TOUCH OUT	-
VGA IN	1	SPDIF	1	LAN (RJ45)	1
AUDIO IN	1	AUDIO OUT	1	RS232	1
FRONT PHYSICAL KEYS				1	

WiFi and Bluetooth Connectivity Enabled 



AUDIO

Sound Channel	2.0
Output Power	2 x 10W

ANDROID SYSTEM

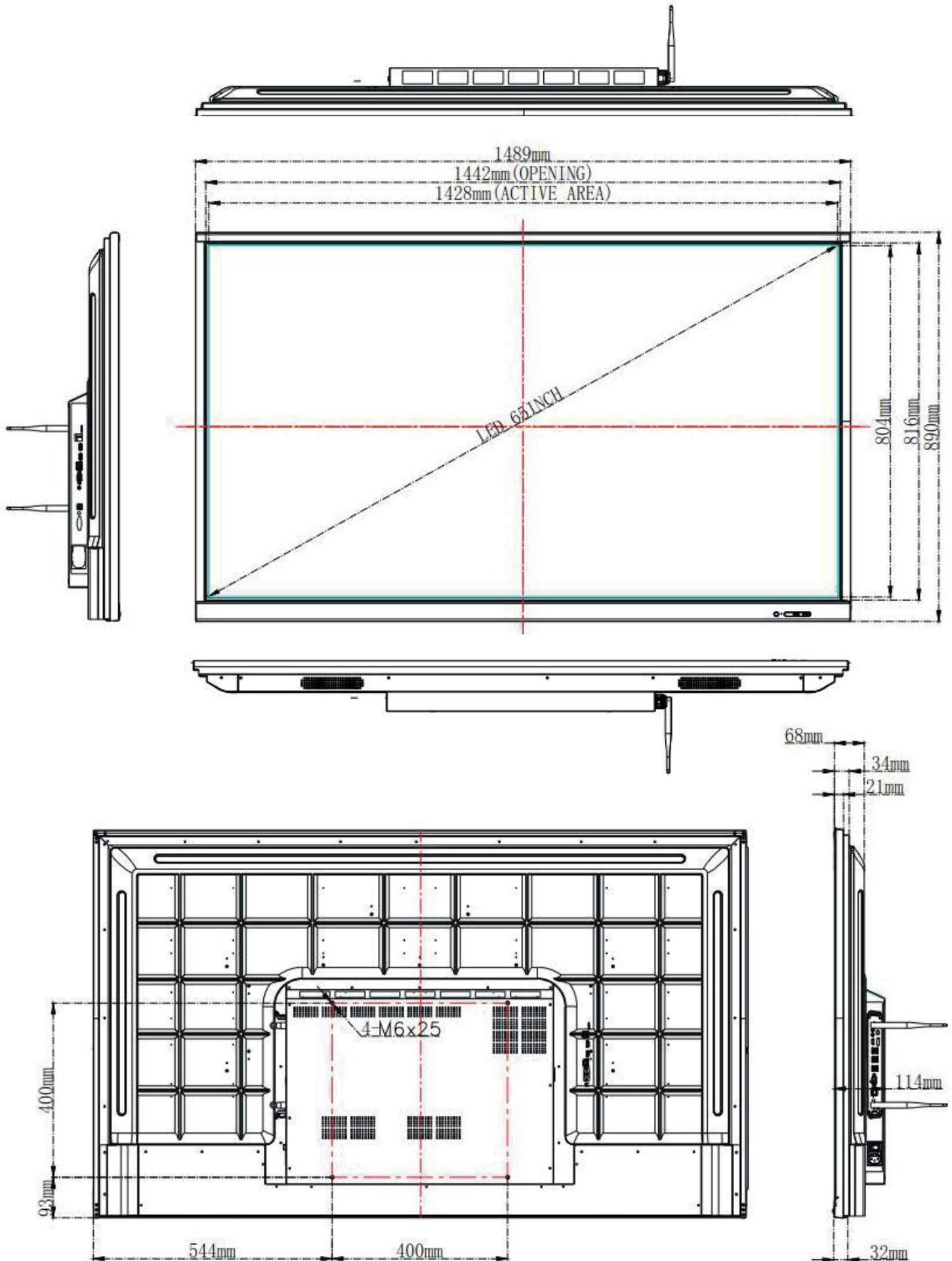
System Version	Android 8.0	Optional PC Module Available Models: SI01
CPU	A73 x2 + A53 x2	
GPU	Mali G51 x2	
RAM	2GB	
ROM	16GB	

POWER

Power Requirements	100-240V~ 50/60Hz 3.0A
Overall Power	300W
Standby Power	≤0.5W

PHYSICAL SPECIFICATIONS

Dimensions LxHxD	1489×897×87mm
Dimensions (Package) LxHxD	1628×208×1005mm
Thickness of Machine & Wall Mount	117mm (WIB9060G)
Wall-Hanging Screw Spec	M8×25mm
VESA	600 x 400mm
Net Weight	38.75KG
Gross Weight	48.5KG



Specifications

DISPLAY

Size (Inches)	75
Aspect Ratio	16:9
Resolution	3840(H) x 2160(V)
Backlight type	DLED
Refreshing Frequency	60Hz
Display Colour	1.07B (10bit)
Display Area	1649.664 (H)×927.936(V) mm
Pixel Pitch	0.4296×0.4296mm
Response Time	8ms
Dynamic Contrast Ratio	10,000:1
Viewing Angle	178° (H/V)
Lifetime	≥30000 Hours
Brightness with Glass (typ)	300 cd/m2
Brightness with Glass (min)	350 cd/m2

TOUCH SYSTEM

Sensing Type	Infrared Recognition
Touch Point	20 Points Touch
Touch Tool	Finger, Passive Infrared Pen
Minimum Object Size	3mm
Response Time	≤10ms
Accuracy	±2mm
Writing Height	≤3mm
Touch Drive	Free Drive
Communication Mode	Full-Speed USB
Interpolation Resolution	32768(W) x 32768(D)

I/O PORT

HDMI IN	3	HDMI OUT	1	TOUCH 2.0	-
USB 2.0	3	USB 3.0	3	TOUCH OUT	2
VGA IN	1	SPDIF	1	LAN (RJ45)	1
AUDIO IN	1	AUDIO OUT	1	RS232	1
FRONT PHYSICAL KEYS				1	

WiFi and Bluetooth Connectivity Enabled 



AUDIO

Sound Channel	2.0
Output Power	2 x 10W

ANDROID SYSTEM

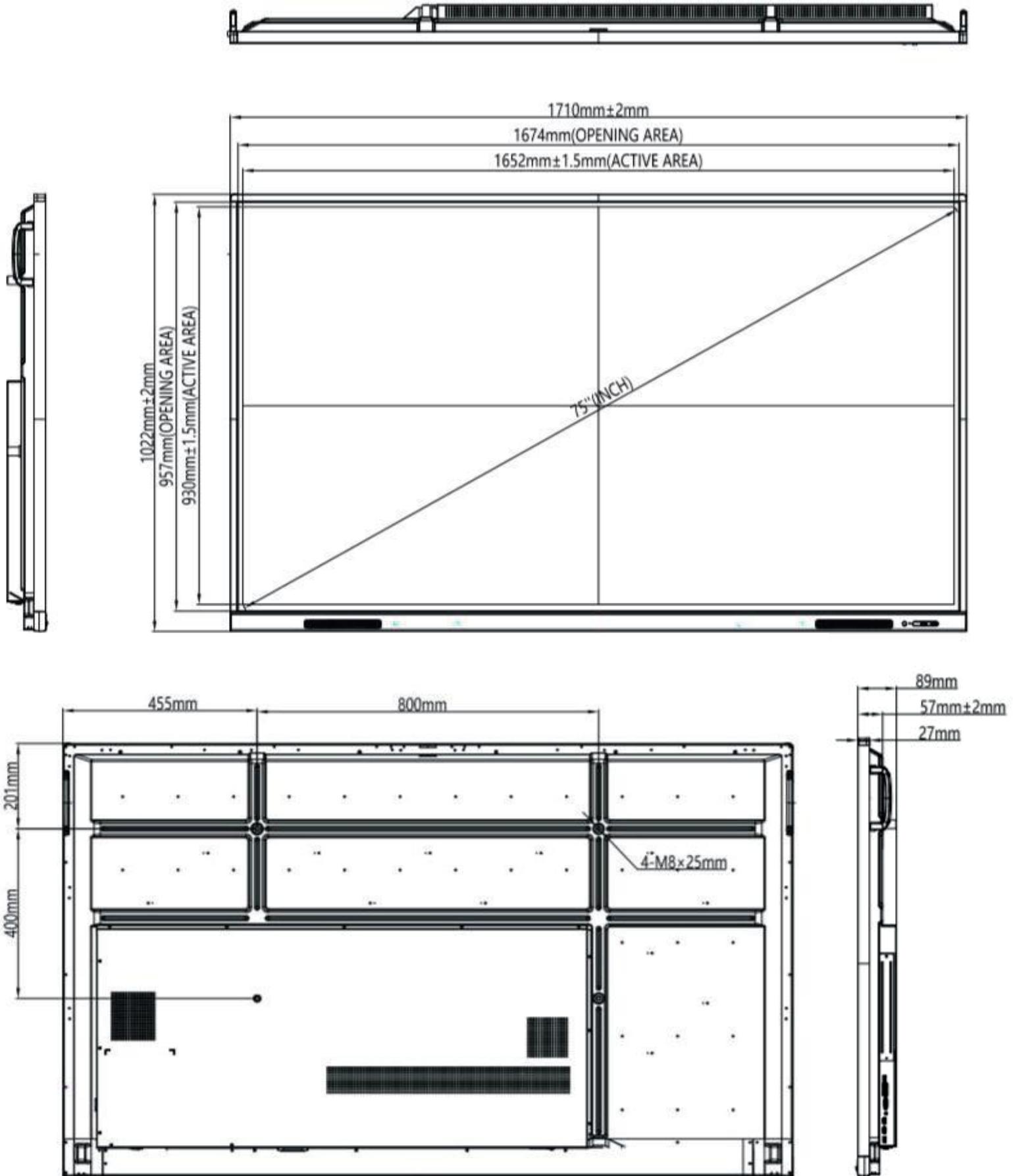
System Version	Android 8.0	Optional PC Module Available Models: SI01 / OPS42A
CPU	A73 x2 + A53 x2	
GPU	Mali G51 x2	
RAM	2GB	
ROM	16GB	

POWER

Power Requirements	100-240V~ 50/60Hz 3.5A
Overall Power	350W
Standby Power	≤0.5W

PHYSICAL SPECIFICATIONS

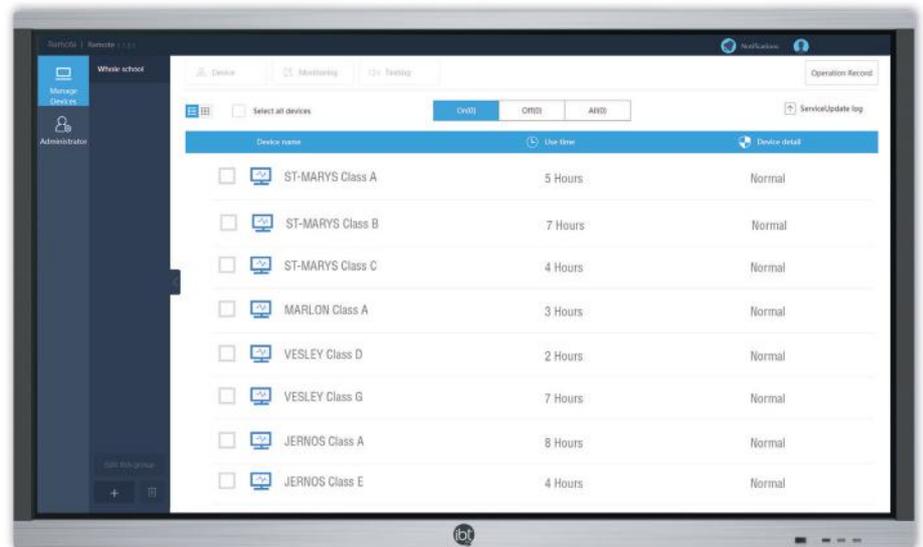
Dimensions LxHxD	1709×1019×87mm
Dimensions (Package) LxHxD	1860×280×1140mm
Thickness of Machine & Wall Mount	117mm (WIB9060G)
Wall-Hanging Screw Spec	M8×25mm
VESA	800 x 400mm
Net Weight	53.05KG
Gross Weight	69.85KG





COMMAND & CONTROL

Remotely manage and control all of your devices across your network, from large touchscreens to individual tablets, all from a single admin computer, tablet or mobile device.



Remotely manage and control all of your Interactive Displays from any device. Simply open the app, login to the system account, and see information about all connected devices, even by using a mobile device.



Command and Control gives the admin account unrestricted access to all IBT technology, and is crucial for power saving management, sending out emergency alerts and keeping your technology up to date.



Save Power

Turn all devices on in the morning, and off at night to save power - great for locations with multiple screens that would take time to individually boot up and switch off. You can also lock devices if needed.



Monitor Devices

Monitor devices to impose fair-usage policies and limit screen time. This way you can collate reports on the time and energy the interactive displays use.



Emergency Alerts

In the event of an emergency, send out a visual alert to all devices, both large touchscreens and individual handheld devices. Alerts can be customised to display instructions if needed. This would help with people who are hard of hearing who require visual aids.



Updates

Deploy software installations and resolve technical issues across your network without the need for user intervention.



IBT GREEN INITIATIVE

ROUTE TO NETZERO

As of 2022, IBT is endeavouring to become more green, and eventually onward to reach carbon neutrality.

ONE SCREEN ONE TREE

To demonstrate our willingness to this cause, and to spread a little bit more green around the world, we will plant one tree for every screen sold.



Achieved ISO14001 Accreditation meaning we have met the standard requirements for an effective environmental management system (EMS).



Achieved ISO9001 Quality Management System Accreditation.



We aim to switch our company vehicles to electric in the coming years.



Work closely with schools to help promote the importance of being environmentally conscious..



Work closely with our factories to use more recycled materials and reduce packaging.



At DiscoverIBT we are committed to bringing our customers the very best in interactive display technology.

If you have any questions about any of our products, please get in touch.



WWW.DISCOVERIBT.COM



Please note if installing Google Playstore™ on Android™ powered products not all apps available on Google Playstore™ will be compatible. The Apple logo is a trademark of Apple Inc. Android is a trademark of Google LLC. The Windows logo is a trademark of Microsoft Corporation. Usage does not imply endorsement. Products including optional extras and bundles and their specifications subject to change. Product images are for illustrative purposes and may slightly in appearance, colour, size etc. from the actual product. The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice. For any additional information email info@discoveribt.com.