



- 20-Point Multi-Touch
- Floating Pen - Annotation on Demand
- ViewBoard® Cast Content Sharing Software
- Built-in ARM Quad-core CPU with 16GB Storage
- Out-of-Box Collaboration

Featuring 4K Ultra HD resolution and an immersive 20-point touch screen, the ViewSonic® ViewBoard® IFP8650 delivers incredible collaborative capabilities for 21st century boardrooms and classrooms. With astonishing 20-point simultaneous touch capabilities and pre-installed ViewSonic myViewBoard™ whiteboarding software, this 86" interactive flat panel lets multiple users write or draw on the screen with their fingers and styluses. With a built-in quad-core processor, as well as versatile connectivity options including multiple HDMI, VGA, RS232, RJ45, and USB ports, this display provides powerful computing for annotation and multimedia playback without the need for a PC. This display delivers optional slot-in PC capability, for more computing-intensive interactive applications. The IFP8650 features a VESA-compatible design and can be placed on a wall mount, or on an optional trolley cart for flexible installation in classrooms and corporate meeting rooms.

**4K Resolution with Eye-Care Technology 4K, Flicker-Free, Blue Light Filter**

With four-times the resolution of Full HD, ViewBoard®'s Ultra HD 3840 x 2160 display delivers breathtaking visuals. 4K DisplayPort input is also supported for external sources. Flicker-Free technology and a Blue Light Filter come standard to help to eliminate eye strain from extended viewing periods.



## 20-Point Touch *Multi-user annotation*

ViewBoard® allows multiple users to annotate on the slim display simultaneously, increasing engagement and encouraging group collaboration.



## Floating Pen *Annotation on demand*

Two-finger touch activates ViewBoard's Floating Pen that allows for easy annotation on everything from powerpoint files, to text docs, USB files, internal memory, or even on images from a connected input source.



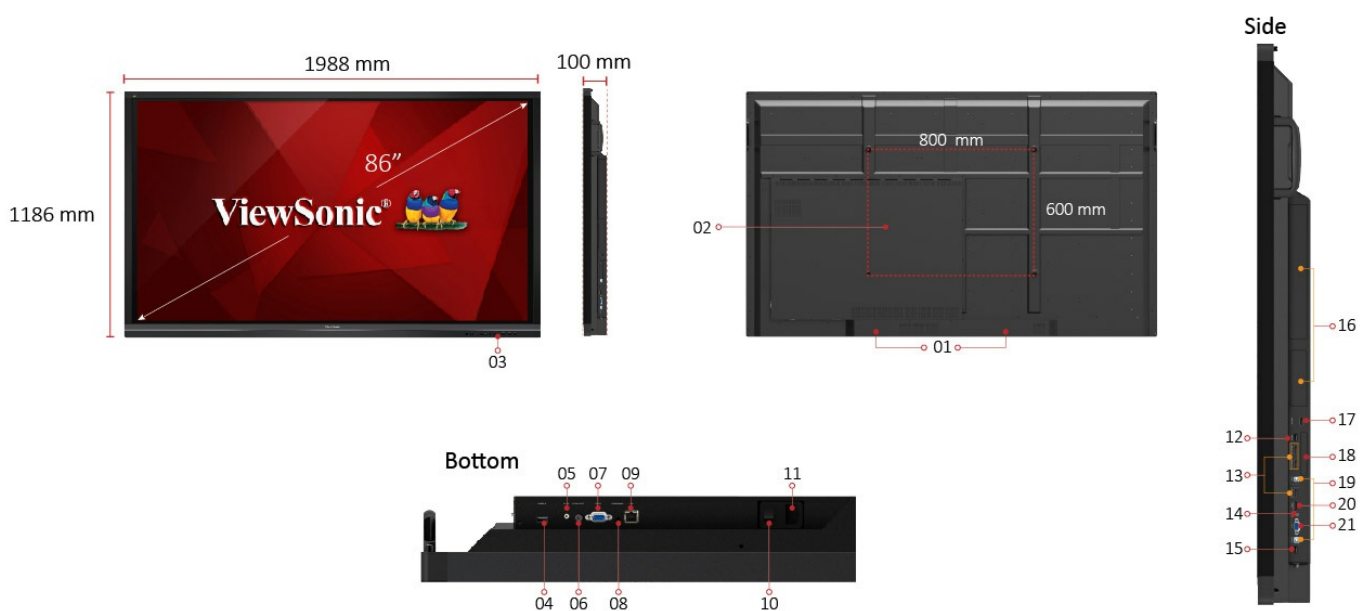
## **Built-in ARM Quad-core CPU with 16GB Storage**

Equipped with a powerful quad-core processor and embedded OS, this display provides smooth, lightning-fast computing and responsive touch capabilities. 16GB of onboard memory provides ample storage for files and multimedia content.



## Out-of-Box Collaboration

Integrated with ViewSonic vBoard and Cast software, as well as Zoom® software, this display delivers out-of-the-box annotation and content sharing capabilities.



1. SPEAKERS
2. VESA® WALL MOUNT 600x400 mm
3. MENU CONTROLS
4. USB 2.0

5. CVBS IN (AV IN)
6. SPDIF (COAX OUT)
7. RS232 IN
8. AUDIO OUT
9. RJ45 (LAN)
10. POWER ON / OFF
11. AC IN
12. USB 2.0 & 3.0
13. HDMI IN
14. AUDIO IN
15. USB 2.0 & 3.0
16. PC SLOT
17. HDMI OUT
18. WIFI & BLUETOOTH MODULE SLOT
19. USB 2.0 (Touch)
20. DisplayPort
21. VGA IN

## Learn more about Software

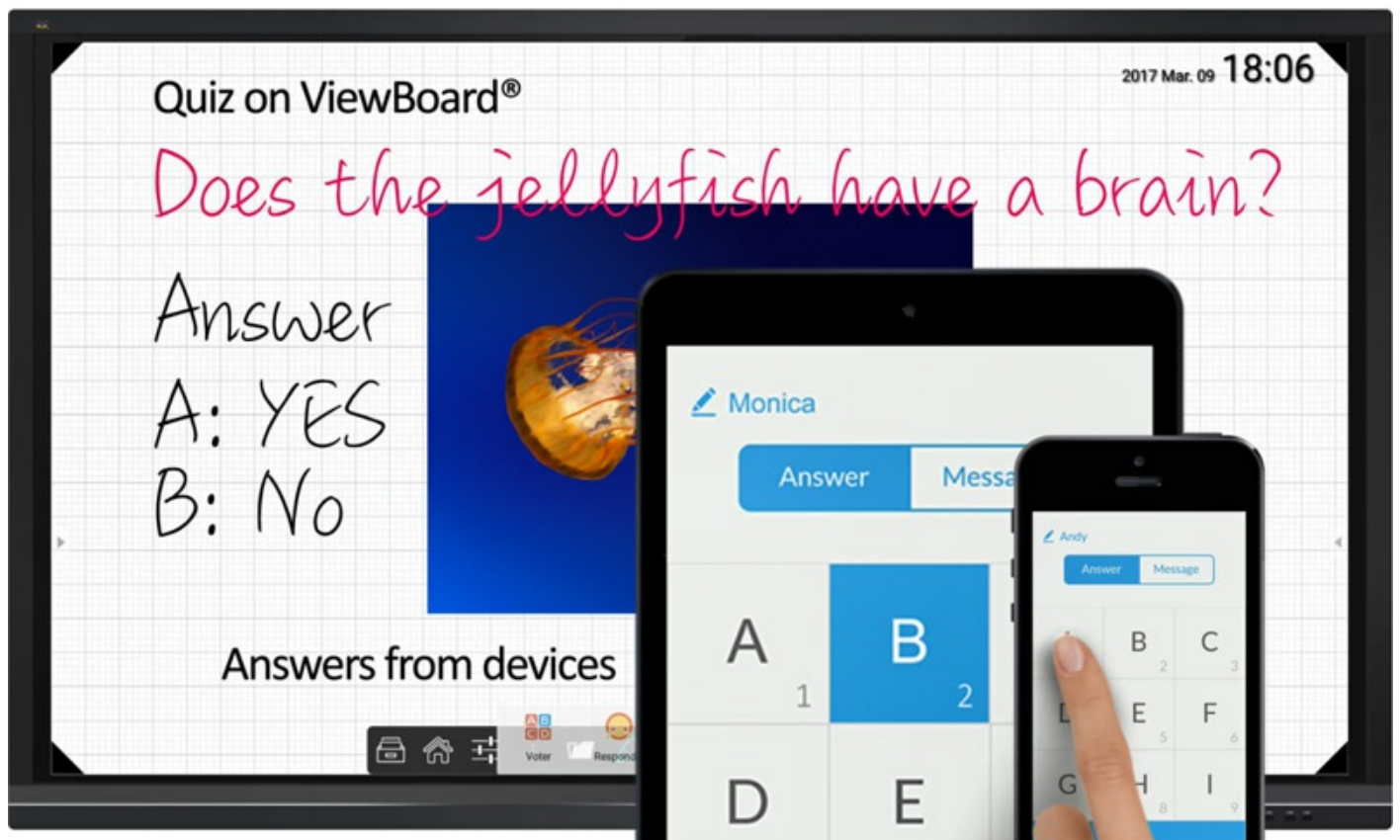
### **ViewBoard® Cast Content Sharing Software** *On-site content sharing software*

ViewBoard® Cast is a content sharing app for mobile devices that enables 1080p content to be streamed from a user's device onto ViewBoard® wirelessly or over a cable network.



### **Air ClassQuiz tool**

Display quiz questions on ViewBoard® and allow participants to submit answers remotely. Whether deploying a single or multiple choices question, ViewBoard® will record statistic result for each device being used. Pop quizzes can be easily implemented by syncing up ViewBoard® with participants' devices; once synced presenters can choose from multiple choice questions or the text to answer messaging function.



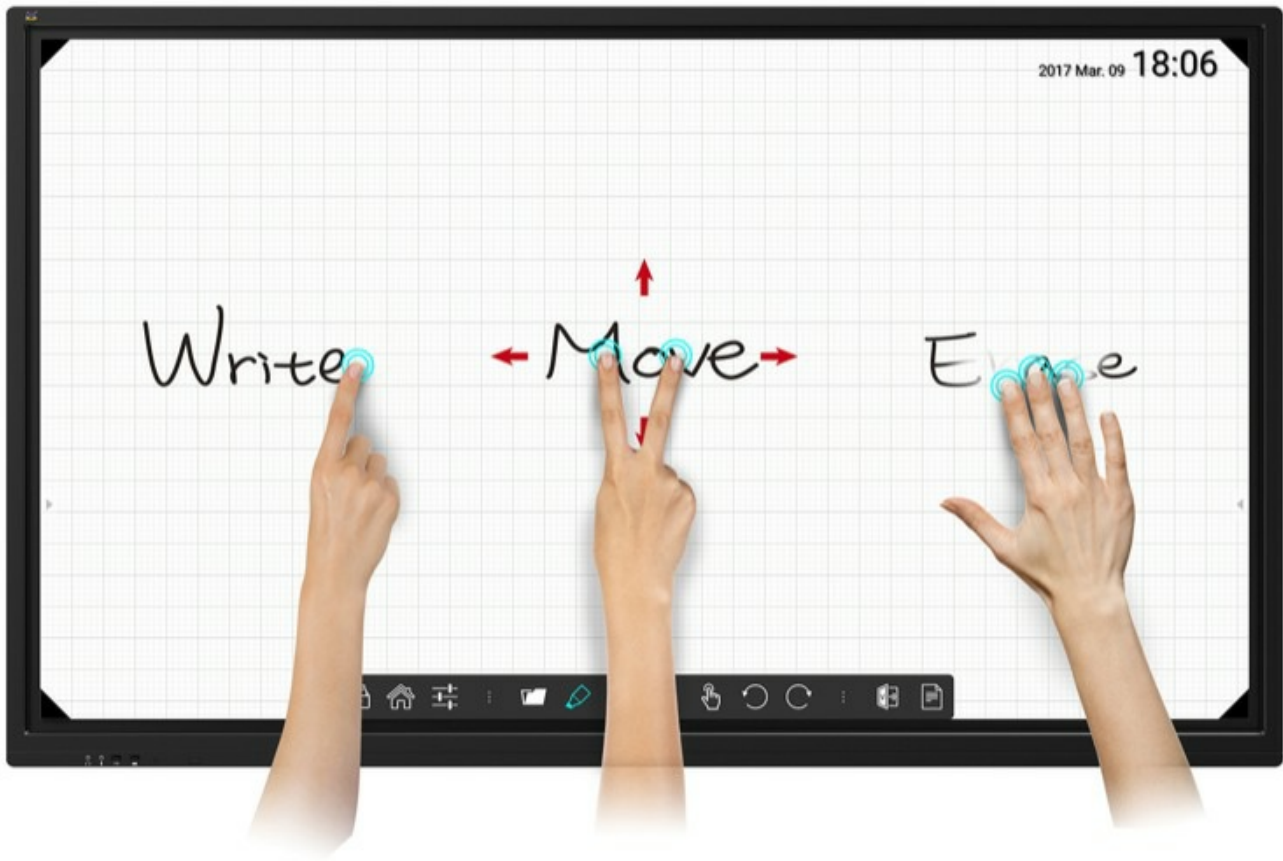
## **Zoom Conference Software *On-line conference software***

Zoom is a conferencing app that enables content to be streamed from a user's devices onto ViewBoard® over the internet. It supports up to 10 participants, allowing 4 of the 10 to stream content from their laptop or smart phone.



## myViewBoard™ Whiteboarding Software *Annotation whiteboard*

myViewBoard™ is a whiteboarding software used on the ViewBoard. The intuitive “draw with one finger, move/zoom with two fingers, and erase with three fingers” design delivers a user friendly experience.



## Add-on Tamashare Software

Tamashare is the first software that allows group collaboration in any kind of work organisation.



## **Learn More Features**

### **vLauncher *Startup top 3 commonly used functions***

Viewboard's myViewBoard™, Cast, and Browser shortcuts enable users to write, cast content, and surf the web; 3 of the most commonly used functions during meetings and in class. These easy access desktop icons are displayed as soon as the ViewBoard® is powered on.



## Optional Slot-in Wi-Fi & Bluetooth Module

Offering users a complete wireless environment, the optional slot-in wireless module provides a dual band 2.4GHz/5GHz WiFi network, as well as Bluetooth support for flexible usage.



## HDMI-Out Mirroring *Extended display*

Mirroring capabilities deliver group discussion and spatial arrangement flexibility by allowing content and sound to be mirrored on to other devices simultaneously.



## Anti-Scratch, Anti-Glare Glass Faceplate *Anti-scratch, Anti-glare*

The 7H scratch-resistant and anti-glare screen offers a durable and consistent high-quality touch experience.



## Versatile Connectivity

HDMI, USB, and VGA connections provide the versatility to connect to a wide variety of computing and multimedia devices.

[View Less Features](#)

## Technical Specifications

### LCD PANEL

|                   |                                            |
|-------------------|--------------------------------------------|
| Panel Size        | 86"                                        |
| Type/ Tech        | TFT LCD Module with DLED Backlight         |
| Display Area (mm) | 1895.04 (H) x 1065.96 (V) (85.6" diagonal) |
| Aspect Ratio      | 16:9                                       |
| Resolution        | 3840 x 2160                                |
| Colors            | 1.07B colors (10bit)                       |
| Brightness        | 350 nits (typ.) 300 nits (min.)            |
| Contrast Ratio    | 1200:1 (typ.)                              |
| Response Time     | 8 ms                                       |
| Viewing Angles    | H = 178, V = 178 (typ.)                    |
| Backlight         | DLED                                       |
| Backlight Life    | 30,000 Hours Min.                          |
| Hardness          | 7H                                         |

|                               |                                       |                                                                                                                                                                                                                       |
|-------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TOUCH</b>                  | <b>Type/ Tech</b>                     | IR Recognition                                                                                                                                                                                                        |
|                               | <b>Touch Resolution</b>               | 32767 x 32767                                                                                                                                                                                                         |
|                               | <b>Touch Point</b>                    | 20 points touch, 10 points writing                                                                                                                                                                                    |
|                               | <b>Response Time</b>                  | <15ms                                                                                                                                                                                                                 |
|                               | <b>System</b>                         | Windows 10 / Windows 8 / Windows 7 / Windows XP / Vista / Linux / Mac / Android / Wince / Chrome                                                                                                                      |
|                               | <b>Life Time</b>                      | 80,000hrs                                                                                                                                                                                                             |
| <b>INPUT</b>                  | <b>HDMI</b>                           | x 3                                                                                                                                                                                                                   |
|                               | <b>RGB / VGA</b>                      | x 1                                                                                                                                                                                                                   |
|                               | <b>DisplayPort</b>                    | x 1                                                                                                                                                                                                                   |
|                               | <b>Audio</b>                          | x 1                                                                                                                                                                                                                   |
|                               | <b>CVBS (AV)</b>                      | x 1                                                                                                                                                                                                                   |
|                               | <b>RS232</b>                          | x 1                                                                                                                                                                                                                   |
|                               | <b>PC Slot</b>                        | x 2                                                                                                                                                                                                                   |
| <b>OUTPUT</b>                 | <b>HDMI</b>                           | x 1 (for all sources)                                                                                                                                                                                                 |
|                               | <b>Audio (Earphone out)</b>           | x 1                                                                                                                                                                                                                   |
|                               | <b>SPDIF</b>                          | x 1                                                                                                                                                                                                                   |
| <b>LAN</b>                    | <b>RJ45</b>                           | x 1                                                                                                                                                                                                                   |
| <b>USB</b>                    | <b>2.0 Type A</b>                     | x 4 (front x 2, for both embedded player and slot-in PC)                                                                                                                                                              |
|                               | <b>3.0 Type A</b>                     | x 2 (front x 1, for both embedded player and slot-in PC)                                                                                                                                                              |
|                               | <b>2.0 Type B (For touch)</b>         | x 2                                                                                                                                                                                                                   |
| <b>SPEAKERS</b>               |                                       | 16W x 2                                                                                                                                                                                                               |
| <b>BUILT-IN PC</b>            | <b>Processor</b>                      | ARM Cortex A53 Quad Core 1.2G Hz CPU                                                                                                                                                                                  |
|                               | <b>Graphic</b>                        | ARM Mali-450 Quad Core                                                                                                                                                                                                |
|                               | <b>Memory</b>                         | 2GB DDR3                                                                                                                                                                                                              |
|                               | <b>Storage</b>                        | 16GB eMMC                                                                                                                                                                                                             |
|                               | <b>Networking</b>                     | 10/100M auto-identification and DHCP                                                                                                                                                                                  |
| <b>COMPATIBILITY</b>          | <b>VGA</b>                            | Refer to timing table                                                                                                                                                                                                 |
|                               | <b>HDMI</b>                           | 3840x2160                                                                                                                                                                                                             |
|                               | <b>DP</b>                             | 3840x2160                                                                                                                                                                                                             |
|                               | <b>CVBS</b>                           | 480i                                                                                                                                                                                                                  |
| <b>POWER</b>                  | <b>Voltage</b>                        | 100-240VAC +/- 10% Wide Range                                                                                                                                                                                         |
|                               | <b>Consumption</b>                    | 361W(Typ, without Slot-In PC); 456W(Typ, Including Slot-In PC)                                                                                                                                                        |
| <b>ERGONOMICS</b>             | <b>Wall Mount (VESA® )</b>            | 800 x 600mm; Screw: M8 x 25mm                                                                                                                                                                                         |
| <b>OPERATING CONDITIONS</b>   | <b>Temperature (° C)</b>              | 32°F to 104°F (0°C to 40°C)                                                                                                                                                                                           |
|                               | <b>Humidity</b>                       | 10% ~ 90% non-condensing                                                                                                                                                                                              |
| <b>DIMENSIONS (W x H x D)</b> | <b>Physical w/o Stand (mm / inch)</b> | 1988 x 1186 x 100 mm / 78.3 x 46.7 x 3.9 inch                                                                                                                                                                         |
|                               | <b>Packaging (mm / inch)</b>          | 2211 x 1380 x 280 mm / 87.0 x 53.1 x 11.0 inch                                                                                                                                                                        |
| <b>WEIGHT</b>                 | <b>Net (kg / lb)</b>                  | 78kg / 171.96lbs                                                                                                                                                                                                      |
|                               | <b>Gross (kg / lb)</b>                | 105kg / 231.49lbs                                                                                                                                                                                                     |
| <b>REGULATIONS</b>            | <b>Standard</b>                       | FCC, CE, cTUVus, RCM, CCC                                                                                                                                                                                             |
| <b>What's in the box?</b>     |                                       | VGA cable(5 meters)/Power cable(3 meters) x 4/Remote control/USB cable(5 meters)/Audio cable(5 meters)<br>6.AV cable/Touching pen x 3/User manual CD wizard/Quick Start Guide/RS232 adapter/Clamp x 5/Plate/Screw x 3 |

