

# SWB8451

84" LCD 6-point multi-touch Display

Large-format display with multi-touch interactivity to encourage collaboration



## Overview

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The ViewSonic SWB8451 is an 84" interactive display ideal for educational and corporate meeting applications, as well as for scientific, GIS, and way-finding applications. With 6-point simultaneous touch technology, this Smart WhiteBoard encourages collaboration and allows two or three users to simultaneously

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write or draw on the display's surface with their fingers or stylus. The large-format LED screen guarantees the ultimate in colour, clarity, and image detail. Equipped with a tempered glass overlay, anti-glare treatment, and rounded corners, the SWB8451 is designed for heavy usage in high-traffic areas. The ViewSonic SWB8451 Smart Whiteboard is the perfect solution where touch interactive performance is needed.



## ViewBoard series for increased interactivity



**Full HD definition for Ultimate image quality**

With this 84" 4K Ultra High-definition large-format display –ViewBoard series, the high-definition multimedia contents can be explicitly presented in greater detail. Its 3840 x 2160 pixel screen contains over 8 million pixels, which is 4x more than Full HD display, all image details are clear, vivid and larger than life.



**Normal**



**Full HD Resolution**

### Advanced 6-point touch capability for group interaction

With 6-point simultaneous touch technology this large-panel display encourages group interaction. Great for interesting group activities, two or three users can simultaneously write or draw on the

### ViewBoard software provides tools for effective presentation

We've pre-installed our simple and easy-to-use ViewBoard software on all of our ViewBoard series. With various tool bar options that allow you to write, draw, save and share, the presenters can better

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display's surface at the same time! And its superior touch report rate provides a smoother user touch experience for both educational and corporate applications.



highlight the contents. It also features screen recording, magnifier and spotlight features that make office presentations, in-classroom and distance education learning more productive, interactive and efficient.



## ViewBoard: Optimized Windows 8 interactive solution



### Edge Boarder design improves Windows 8 touch experience

With the unique edge border design that redefines the relationship between the bezel and panel, in particular operating under Windows 8, there are no more dead angles. This design provides an improved user touch experience, and with an easy pull out charm bar, the presenters can operate all Windows 8 functions more efficiently and productively.



### Windows®8 operating system for a better interactive experience

The Windows 8 and MS Office software make it great for office and school use for any sort of presentations. The built-in browser enables the presenters to show content directly from the Internet. Windows 8 creates great interactive experience that helps to share and upload data, connect and collaborate, and even create presentations, which largely improve overall efficiency and productivity.



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## A wider range of accessible application for education and business

Presenters now have more options and Windows® 8 apps to choose from. Now there is greater access to various education applications, including storytelling, math-related and language testing programs and more. Your students or audience members will surely benefit from the productivity and interactivity that this offers.



## Packing powerful intel processors

Utilizing powerful Intel® i5 processors, ViewSonic's ViewBoard series provides the computing power needed for multimedia applications. This means smooth, high-speed video performance, high definition graphic, gaming capability and more. It's great for multi-tasking, letting the presenters can open multiple screens and applications without slowing the system down. Increase class efficiency and productivity even more with ViewSonic's ViewBoard series.



**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE

## Versatile input selection for flexible connectivity



Benefit from the improved device connectivity of our ViewBoard series versatile selection of inputs to easily connect and use all the digital equipment in meeting rooms or classrooms. With HDMI, connect to high-definition content sources, and USB, DVI and VGA ports, and have the freedom to focus on the work that is most important.



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## Large-panel display accessories for improved usability and mobility

Students and teachers can use the provided stylus, or their fingers to simultaneously write on our large-panel display. Location is also a key consideration when installing your Smart Whiteboard. That's why it can be wall mounted for a solid and safe user touch experience. Also, we offer a trolley mount that offers you the flexibility to move your display for a better viewing angle.



## Protective Rounded-Corner Design

Providing a safer learning environment for active students is also an important consideration. That's why ViewSonic's ViewBoard series utilizes a rounded-corner design to help prevent young students from getting injured within their classroom environment.



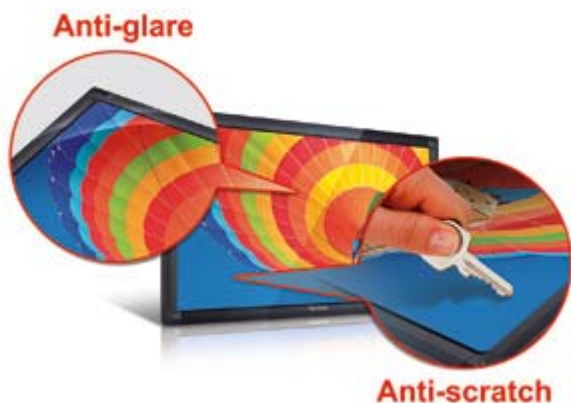
## Tough Anti-Scratch, Anti-Glare Cover

ViewSonic's ViewBoard series is made even more durable by a layer of 7H-hardness tempered glass coupled with an anti-glare glass. This material combination provides anti-scratch benefits, while improving screen visibility in bright environments.

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## Technical Specifications

<b>LCD</b>	Size	84"
	Type	TFT LCD module with LED backlight
	Effective Viewing Area	3,840 (H) x 2,160 (W) (84.04" diagonal)
	Native Resolution	1920 x 1080p @60Hz
	Contrast Ratio	1600:1 (typ.)
	Viewing Angles	H = 89, V = 89 (typ.)
	Response Time	Total (ON + OFF) = 8ms
	Brightness	CR : 5,000 (typ.) / 350 nits (typ.)
	Panel Surface	Anti-glare
	Colour Support	1.06B colors
<b>AUDIO</b>	Speakers	15W x 2 @THD = 10%
	Microphone	None
<b>BUILT-IN PC</b>	Processor	Intel Core i3 (SWB8451-3_ SWB8451-3) Intel Core i5 (SWB8451-5_ SWB8451-5)
	Graphics	Integrated Intel HD 3000
	Sound Card	Integrated High Definition Audio Stereo
	Memory	DDR III 2GB (SWB8451-3_ SWB8451-3) DDR III 4GB (SWB8451-5_ SWB8451-5)
	Storage	2.5" SATA2 HDD 320GB (SWB8451-3_ SWB8451-3) 2.5" SATA2 HDD 500GB (SWB8451-5_ SWB8451-5)
	Networking	Integrated 10/100/1000M Adaption
<b>REMOTE CONTROL UNIT (RCN)</b>	Type	IR
	Range	Straight-line distance: 8M Transmit angle $\pm 30^\circ$ 3 6M

## CONTROLS

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	OSD	*1
	Physical	Top: POWER, INPUT, MENU, CH ^, CH v, VOL+, VOL-
<b>POWER</b>	Voltage	100-240VAC +/- 10% Wide Range
<b>OPERATING CONDITIONS</b>	Temperature	32°F to 104°F (0°C to 40°C)
	Humidity	20% ~ 80%, non-condensing
	Altitude	N/A
<b>DIMENSIONS</b>	Physical (WxHxD)	1,978 x 1,186 x 86 mm / 77.9 x 46.7 x 3.4 in
	Wall Mount	1,000 x 280 x 55 mm / 39.37 x 11.02 x 2.17 in
	Display	2,180 x 1,480 x 340 mm / 85.83 x 58.27 x 13.39 in
<b>WEIGHT</b>	Net	116 kgs / 255.74 lbs
	Gross	140 kgs / 308.65 lbs
	Wall Mount	6.5 kgs / 14.33 lbs
<b>REGULATIONS</b>		FCC, CE, BSMI, CCC
<b>VESA® MOUNT</b>		600 x 600mm
<b>INCLUDED ACCESSORIES</b>		<ol style="list-style-type: none"> <li>1. VGA cable</li> <li>2. Power cable x 4</li> <li>3. Remote control</li> <li>4. USB cable</li> <li>5. Audio cable</li> <li>6. Touching pen x 3</li> <li>7. User manual CD wizard</li> </ol>
<b>RELIABILITY</b>	Backlight	30,000 Hours (typ.)
<b>INPUT / OUTPUT</b>	Connector	Display: HDMI x 2 RGB x 2 PC audio (mini stereo) x 2 S-Video x 1 CVBS IN x 1 CVBS OUT x 1 Shared RCA Audio x 1 YPbPr x 1 USB A Type (for F/W) x 1 USB B Type (for touch) x 1 SPIDF x 1 RS232 x 1 PC: AUDIO OUT x 1 MIC x 1 VGA OUT x 1 LAN IN x 1 USB x 4
<b>VIDEO FORMAT</b>	Compatibility	RGB PC/HDMI PC: Refer to timing table CVBS: 480i S-Video: 480i, 576i YPbPr: 480i, 480p, 720p, up to 1080p HDMI: 480i, 720p, up to 1080p
<b>STORAGE / SHIPPING CONDITION</b>	Temperature	-4°F to 140°F (-20°C to 60°C)

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Humidity	10% ~ 90%, non-condensing
Altitude	N/A

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**POWER SAVING  
FUNCTION**

On	Green indicator, < TBDW
Power-saving Mode	Green indicator flashing, < 0.5 W
Off (Suspend)	Red indicator, < 0.5 W

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**DISPLAY PC/RGB  
MODES**

Supported	Refer to the compatibility table *If a mode isn't specifically listed, full compatibility is not guaranteed. Results may vary between video cards / drivers.
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## ViewSonic® Limited Warranty



ViewSonic provides customers with the security of a manufacturers warranty against defected products. The type and duration of the applicable warranty service varies by product type, country of purchase and can also vary on an individual basis according to customer requirements agreed at time of purchase. The warranty will expire after the end of the warranty period.

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