Interactive Whiteboard

RICOH Interactive Whiteboard D3210BK

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Open or closed system controller options

Vivid HD 32" multi-touch screen

Tabletop, desktop stand or flat surface mounting

Integrate with video-conferencing services

Collaborate visually in virtually any space

Bring breathtaking displays and real-time collaboration directly to small groups with the RICOH Interactive Whiteboard (IWB) D3210BK. Also known as an Interactive Flat Panel Display (IFPD), this versatile and easy-to-transport 32-inch device can be conveniently mounted or placed flat on any surface, making it ideal for desktops, training rooms, commercial outlets and other environments with limited space. Leverage its versatile architecture to add your choice of controllers for more secure, interactive and productive meetings. Pair the device with a wide range of video communication hardware, collaboration apps, cloud services and more for two-way interactions and share information with audiences in up to 19 other locations.

Capture attention, captivate audiences

Showcase information confidently with impressive clarity. With 10-bit processing of more than 16.7 million colors, you can present clearly defined drawings, images, video and more in brilliant 1920 x 1080 HD resolution. Don't worry about ambient lighting. The glare-free touchscreen and LED backlighting produce sharp contrasts in any environment, from meeting rooms and reception areas to exhibition spaces. In addition, you can add optional RICOH Unified Communication System Advanced (UCSA) software and create a web-based video conference in only moments, so you can monitor your audience's visual cues and personalize your message accordingly.
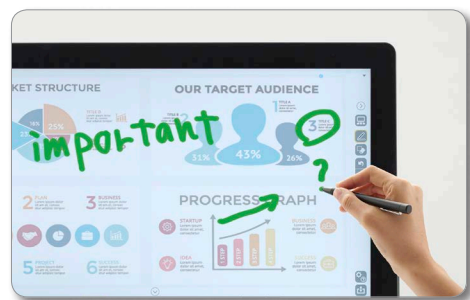
Add a new dynamic to any meeting, anywhere

Use the RICOH IWB D3210BK as a display-only touch screen and connect via VGA, HDMI or DisplayPort, or use your choice of an embedded controller to present with annotations, zooming and more. Simply mount the IFPD for horizontal or vertical viewing, use an optional desktop stand, or place it flat on a tabletop. Versatile placement puts your presentation closer to your audience, so multiple users can add feedback and notes easily, even simultaneously. When laid flat, you can rotate the presentation to adjust to each viewer's viewpoint. You can also create a password-protected PDF file of your notes and additions from the IFPD and distribute it to participants moments after the meeting ends.

Let everybody see for themselves

Go big with your message with the native interoperability of the RICOH IWB D3210BK. When you want to share your ideas with more people, simply connect the IFPD to a Ricoh video conferencing system or Ricoh projector and present on larger screens and surfaces in conference rooms and auditoriums. You'll maintain the same multi-point touch screen control. A projected capacitive (PCAP) touch screen lets you deftly maneuver between tasks, add notes, zoom and undo changes with the same finger movements and gestures you use on today's popular smartphones and tablets. Use the standard stylus pen for even more precise touchscreen control.

Present face-to-face in any space

Control real-time collaborations

With the RICOH IWB D3210BK's versatile architecture, choose between multiple controllers for fast, easy operation out of the box. For example, you can opt for a closed Ricoh business controller for maximum security. No software or modifications are allowed, and only administrators have access to configuration settings. It keeps information inside your network and stored in local files, where they can be automatically deleted after a specified time frame. Or, with a Windows®-based open controller, you get to choose your own collaboration apps to expand viewing and distribution options. For example, you can use the RICOH UCS or UCS Advanced Service to collaborate with a large number or remote participants without delays, jitter or bandwidth constraints.

Expand capabilities to enhance your message

Measuring 32 inches diagonally, the RICOH IWB D3210BK is ideal for impromptu meetings in small spaces — but it can also make a huge impact with people unable to attend. Interact in real-time with up to 19 additional Ricoh IFPDs via the optional collaborative license on your network. From there, each licensed IFPD can connect to as many as 50 additional endpoints, including smartphones, tablets and laptops. Up to 1,000 people can participate whether at a remote office, at home or even in transit without incurring public cloud service fees or travel expenses. With the Windows® controller, if you need to collaborate with people off your network, simply use Skype® for Business, Google Hangouts®, Join.Me® or other public cloud service.

Showcase with speed and ease

Get your ideas in front of audiences as quickly as possible with an all-in-one, easy-to-use IFPD. Regardless of the controller you choose, you can operate the display and collaborate with others without calibration, PC connection or IT support. With Quick Start mode, you can begin your presentation in moments and shut down instantly without a cooling down period. The sleek design, available in a black finish, features back- and side-ports to speed set up and ensure your message remains the focus. If you encounter any problems, Ricoh's Live Tech Support (RLTS) agent can respond immediately to a screen touch or phone call to answer your questions and resolve issues.

To view detailed features of our products online go to www.ricoh-usa.com/products

RICOH Interactive Whiteboard D3210BK

SYSTEM SPECIFICATIONS

Display Panel

Panel size	32" (28.3" horizontal x 16.3" vertical)
Backlight	LCD display/LED system
Resolution	1,920 x 1,080
Color	16.77 million (8-bit color processing)
Brightness	500 cd/m²
Aspect ratio	16:9
Contrast ratio	3,000:1
Pixel pitch	0.3637 mm
Response speed	Less than 10 milliseconds
Viewing angle (H/V)	Left and Right: 178° / Up and Down: 178°
Display glass	2 mm thick anti-glare glass

Touch Sensor

Technology	Projected Capacitive Touch Panel (PCTP)
Maximum touch points	10 (When IWB software is active, max. number of touch points is 4)
Touch screen interface	USB 2.0 (Type B) located on side panel
Touch accuracy	+/- 2 mm (over 90% area)
Operating system support	Multi-touch (up to 10): Windows® 7, 8, 8.1, 10 Single-touch: Windows® 7, Mac® OS 10.8+

General

Video input	Mini D-Sub 15-pin (VGA) x 1, HDMI x 1 (HDCP compliant), DisplayPort x 1 (HDCP compliant)
Video output	DisplayPort x 1
Audio input/output	In: 3.5 mm Line in Jack x 1 (For VGA, DVI) Out: Internal Speaker (8W x 2)

Touch screen control	USB 3.0 Type B x 1
Display control	RS-232c x 1 (Input), RS-232c x 1 (Output)
Dimensions (W x D x H)	31" x 2.75" x 18.89" (789 x 70 x 480 mm)
Weight	33 lbs. (15 kg)
Power source	AC 100 - 240 V, 50/60 Hz
Power consumption operating/standby	< 215 W / < 0.3W
Advanced display features	RS232 Control Daisy Chain, Picture Mode (including Low Blue Light mode), Backlight, Adaptive Contrast (Dimming Control), Brightness, Saturation, Chroma, Phase, Sharpness, Color Temperature, Treble, Bass, Balance, Volume, Mute, Speaker, Audio Source, Picture-in-Picture, Picture-by-Picture, Aspect, Adjust Screen, Touch Feature, Language, Power Save, Quick Start Mode, Control Setting, Touch Control Setting, Set Monitor ID, Advanced Information Reset
Remote sharing function*	Up to 20 interactive whiteboards and projector systems. Up to 20 browser viewers per interactive whiteboard (business controller only). Up to 50 remote devices (iOS®, Android® and Windows®) per interactive whiteboard
Remote PC operation	Yes
Bluetooth	Included in Controller Type 2

*Remote license is required for remote collaboration

Windows® 10 Controller

CPU	Intel® Core™ i5-6500TE 2.3 GHz
Operating System	Windows® 10
HDD	500 GB
RAM	16 GB

Windows® 10 Controller OP-10

CPU	Intel® Core™ i7-6700TE
Operating System	Windows® 10
SSD	512 GB
RAM	16 GB

Business (Ricoh) Controller

CPU	Intel® Core™ i5-6500TE
Operating System	Windows® 10 IoT Enterprise 64-bit
SSD	128 GB
RAM	8 GB

Options

Stand	Interactive Whiteboard Desktop Stand Type 1
More options	Interactive Whiteboard Remote License Type 1, Interactive Whiteboard Capture Box Type 1
Web/videoconferencing options	Built-in speakers: 8W x 2 (Stereo)

Item	Description	EDP Code
Remote License	RICOH® Interactive Whiteboard Remote License Type 1	431128
Windows® Controller (i5)	Controller with Windows® 10 OS	432308
Windows® Controller (i7)	RICOH® Interactive Whiteboard Controller OP-10	432436
Business Controller	RICOH® Interactive Whiteboard Controller Type 2	432318

Item	Description	EDP Code
Touch Pen – Black	RICOH® Interactive Whiteboard Touch Pen Type 2	755219
32" IWB Black	RICOH Interactive Whiteboard D3210BK	432424
Stand	RICOH® Interactive Whiteboard Desktop Stand Type 1	755213
Capture Box	RICOH® Interactive Whiteboard Capture Box Type 1	432430

Disclaimer: Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. USB with security or anti-virus software installed are not compatible. Remote sharing function requires Remote License. Remote License is required for collaborative meetings. For wall mounting, use a standard VESA 400x400 mount (not supplied by Ricoh). Via intranet, required line speed: Min. 200Kbps, recommended over 512Kbps. For availability of models, options and software, please consult your local Ricoh supplier.

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