RICOH Interactive Whiteboard D3210BK

- Vivid HD 32" multi-touch screen
- Open or closed system controller options
- 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

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>EDP Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating System</strong></td>
<td><strong>CPU</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intel Core™ i5-6500TE 2.3 GHz</td>
<td></td>
</tr>
<tr>
<td><strong>HDD</strong></td>
<td>Windows® 10 500 GB</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RAM</td>
<td>16 GB</td>
</tr>
<tr>
<td><strong>Operating System</strong></td>
<td><strong>Controller (i5)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Windows® 10 502 GB</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RAM</td>
<td>16 GB</td>
</tr>
<tr>
<td><strong>Business (Ricoh) Controller</strong></td>
<td><strong>CPU</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Windows® 10 IoT Enterprise 64-bit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RAM</td>
<td>8 GB</td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td><strong>Stand</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Interactive Whiteboard Desktop Stand Type 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Remote License</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Remote Whiteboard Remote License Type 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>More options</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Interactive Whiteboard Capture Box Type 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Web/videoconferencing options</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Built-in speakers: BW x 2 (Stereo)</td>
<td></td>
</tr>
</tbody>
</table>

**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 mountings, 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.

### Touch screen control

- USB 3.0 Type B x 1
- RS-232c x 1 (Input), RS-232c x 1 (Output)
- RS-232c x 1 (Input), RS-232c x 1 (Output)
- RS-232c x 1 (Input), RS-232c x 1 (Output)

### Display control

- Dimensions (W x D x H):
  - 31" x 2.75" x 18.89" (789 x 70 x 480 mm)
  - 215 W / < 0.3W

### Audio input/output

- In: 3.5 mm Line in Jack x 1 (For VGA, DVI)
- Out: Internal Speaker (8W x 2)

### Video output

- DisplayPort x 1

### Display Panel

- 32" (28.3" horizontal x 16.3" vertical) LCD display/LCD system
- Resolution: 1,920 x 1,080
- 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 (HV): Left and Right: 178°
- Display glass: 2 mm thick anti-glare glass

### Touch Sensor

- Technology: Projected Capacitive Touch Panel (PCTP)
- Maximum number of touch points: 10 (When IWB software is active, max. number of touch points: 4)
- Touch screen interface: USB 2.0 (Type B) located on side panel
- Touch accuracy: Multi-touch Up to 10: Windows®, 8, 8.1, 10 Single-touch: Windows®, Max OS 10.8+

### Remote PC operation

- Yes, Included in Controller Type 2

### 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

### 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, Text
- Projector systems. Up to 20 browser viewers per interactive whiteboard

### Operating System

- Quick Start Mode, Control Setting, Touch Feature, Language, Power Save, Quick Start Mode, Control Setting, Touch Control Setting, Set Monitor ID, Advanced Information, Text

### Support

- Information Reset, Control Setting, Set Monitor ID, Advanced Information, Text
- Up to 20 interactive whiteboards and
- Projector systems. Up to 20 browser viewers per interactive whiteboard

### RAM

- Windows® 10 Controller: 8 GB
- Business (Ricoh) Controller: 16 GB
- Windows® 10 Controller OP-10: 16 GB

### SSD

- Windows® 10 Controller: 128 GB
- Business (Ricoh) Controller: 512 GB
- Windows® 10 Controller OP-10: 512 GB

### HDD

- Windows® 10 Controller: 500 GB
- Windows® 10 Controller OP-10: 500 GB

### CPU

- Windows® 10 Controller: Intel® Core™ i5-6500TE
- Business (Ricoh) Controller: Intel® Core™ i5-6500TE
- Windows® 10 Controller OP-10: Intel® Core™ i5-6700TE

### More options

- Interactive Whiteboard Remote License Type 1
- Interactive Whiteboard Capture Box Type 1
- Web/videoconferencing options

### More information

Built-in speakers: BW x 2 (Stereo)