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Interactive Flat Panel Displays with the Windows Open Architecture Controller

D5530BK, D6520BK, D7510BK and D8600BK



Transform Your Business Communications with Ricoh IFPDs

Now more than ever, businesses are adopting visual communications technology to enable faster information sharing and group decision making, innovative learning and brainstorming sessions, and high-definition video conferencing with remote team members to collaborate in real time with reduced costs.

At the heart of every visual communications solution is an Interactive Flat Panel Display (IFPD), a high-resolution touchscreen video monitor. Ricoh – a name you know and trust for document production solutions – offers a complete line of IFPDs in a variety of sizes from 55" to 86" to meet all of your audio/visual communication needs.

The **D5530BK**, **D6520BK** and **D7510BK** offer a choice of 55", 65" or 75" screens to meet a wide range of audience and conference room sizes. These Collaboration Boards deliver life-like image quality with 4K resolution, and realize highly accurate touch response for up to 20 simultaneous touch points using FlatFrog InGlass™ technology for a light, sleek design. Equipped with a motion detection sensor that automatically wakes the system when users approach, these IFPDs are rated for IP5X dust resistance for use in frontline environments like construction sites and factory floors. The D5530BK offers a 90° rotation unit option for use in tight spaces and to display images in portrait orientation.



The **D8600BK** is a 4K resolution IFPD for life-like, life-size presentations and meetings demanding maximum visual impact. This 86" IFPD employs second-generation Shadow Sense touchscreen technology and supports up to 10 simultaneous touch points. Intended for larger, more exclusive environments such as corporate boardrooms, auditoriums, conference centers and broadcast studios, the D8600BK brings the biggest ideas to life.

Unified Platform Approach

Whichever IFPD is the right size for your needs, Ricoh has a model to fit any room and budget while offering an identical user experience. Our *unified platform approach* means once you've learned how to operate one Ricoh IFPD, you've learned how to use them all. Every Ricoh IFPD can be mounted on a rolling stand or attached to a wall. All use a passive touch pen or finger for simplified ease of use. All offer a wide range of video interface ports to display images from virtually any source. And when equipped with the proper licenses and accessories, every Ricoh IFPD can perform every function. So whether your application calls for a stand-alone video display, interactive touchscreen capabilities, document creation and annotation, or real-time remote collaboration and video conferencing, the only difference is the size of the display.

Open Architecture Controllers Open a World of Possibilities

If the IFPD is the heart of every visual communications solution, then the controller is its brain.

A controller enables capabilities beyond simple video display. Basic whiteboarding and computer desktop display functions can be performed using a PC as an external controller. Touchscreen capabilities are supported through a secondary USB connection.

To take full advantage of the entire spectrum of IFPD capabilities, Ricoh offers a choice of two powerful Windows 10-based controllers. Both transform the IFPD into a super-sized high definition PC with touchscreen capabilities. Their open architecture means you can install and run virtually any Windows 10-compliant software application you need, in addition to accessing their secured whiteboarding, remote collaboration and video conferencing capabilities (with the proper accessories and site licenses). Surf the web, access cloud services, and run Windows 10 software apps on a digital canvas as big as your ideas.



The **Ricoh Windows 10 i5 Controller** is the standard version best for users running office-type Windows 10 applications with visual communications needs. The **Ricoh Windows 10 i7 Controller** is the premier version recommended for more processor-intensive applications such as video rendering, 3D modeling and high-end large-scale graphic display in addition to handling your visual communications requirements. Both seamlessly install into the Open Pluggable Specification (OPS) slot on the side of every Ricoh IFPD for a completely embedded UC solution with touchscreen simplicity.

Engaging Meetings, Lectures and Brainstorming Sessions

Make presentations and classroom exercises come alive. Ricoh open architecture controllers ship with our IWB Lt drawing and document annotation software preloaded. Brainstorm and strategize remotely in team projects or install software of your choice for presentations and corporate training. Ricoh also offers an Education version of the Windows 10 i5 Controller bundled with interactive software for classrooms.



Improve Teamwork with Remote Collaboration and Video Conferencing



Connect globally. Up to 20 Ricoh IFPDs can be installed on the same network. When a Remote License Type 1 is purchased for each site, remote team meetings with data sharing and simultaneous document viewing and markup at each endpoint is enabled. Our open architecture controllers give you the freedom to use Zoom, Microsoft Teams or any cloud-based solution of your choosing. Simply add a camera/microphone unit for real time, face-to-face collaboration with other participants. Run MS Office 365™ apps, browse the internet, and share documents, videos and data with remote team members. Accomplish in minutes what used to take hours or days while eliminating unnecessary in-person meeting and travel expenses.

Let Ricoh help you collaborate more efficiently wherever your employees are located. Our extensive national support network is the perfect match for all of your visual communications needs.

D5530BK / D6520BK / D7510BK / D8600BK SYSTEM SPECIFICATIONS

| Model | D5530BK | D6520BK | D7510BK | D8600BK |
|---|--|---|---|--|
| IFPD Screen Specifications | | | | |
| Diagonal Screen Size | 55" (47.6" H x 26.8" V) | 65" (56.2" H x 31.6" V) | 75" (64.9" H x 36.5" V) | 86" (74.6" H x 41.9" V) |
| Display Type | Liquid Crystal Display (LCD) | | | |
| Orientation | Horizontal, Vertical | | Horizontal | |
| Backlight | DLED system | | | LED system |
| Resolution | 3,840 x 2,160 dpi (4K) | | | |
| Color | 1.07 billion (10 bit color) | | | |
| Brightness | 440 cd/m ² | | | 410 cd/m ² |
| Aspect Ratio | 16:9 | | | |
| Contrast Ratio | 4,000:1 | 5,000:1 | 4,000:1 | 1,200:1 |
| Pixel Pitch | 0.315 x 0.315 mm | 0.372 x 0.372 mm | 0.429 x 0.429 mm | 0.4935 x 0.4935 mm |
| Response Speed | < 8 milliseconds | | | |
| Viewing Angle (H/V) | Left and Right: 178° / Up and Down: 178° | | | |
| Display Glass | 2 mm thick anti-glare glass | | | 4 mm thick anti-glare glass |
| Speakers | 12 W x 2 - bottom | 12 W x 2 - front | | 12 W x 2 - bottom |
| Motion Detection Sensor | Standard | | | Not Supported |
| Touch Sensor Specifications | | | | |
| Technology | InGlass™ by FlatFrog + Optical Bonding | | | 2 nd Gen. Shadow Sense |
| Maximum Touch Points | 20 (4 w/IWB software) | | | 10 (4 w/IWB software) |
| Touch Screen Interface | USB 3.0 Type B | | | |
| Positional Accuracy | 1 mm | | | +/- 2 mm (over 90% area) |
| Operating Systems | Multi-touch: Windows 7, 8.1, 10, Single-touch: Windows 7, 8.1, 10 & Mac OS X 10.8 - 10.15 | | | |
| Connectivity Specifications | | | | |
| Video Input | Mini D-Sub 15-pin (VGA) x 1 HDMI x 1 (HDCP compliant) DisplayPort x 1 (HDCP compliant) | | | Mini D-Sub 15-pin (VGA) x 1 HDMI x 1 (HDCP compliant) DisplayPort x 1 (HDCP compliant) DVI-D x 1 (HDCP compliant) |
| Video Output | DisplayPort x 1 (HDCP compliant) | | | |
| Audio Input | 3.5 mm Line In x 1 (for use with VGA input) | | | |
| Audio Output | 3.5 mm Headphone Out x 1 | | | +/- Speaker Terminals x 1 |
| USB Device Interfaces | USB 3.0 Type A x 6 (2 rear, 4 side) | | | USB 2.0 Type A x 4 (2 rear, 2 side) USB 3.0 Type A x 4 (side) |
| Control & Management | RS-232C x 1 (Input) / RS-232C x 1 (Output) | | | |
| OPS Slots | 2 - Controller Module x 1 / Capture Module x 1 | | | |
| Remote Sharing | Up to 20 interactive displays and projector systems. Plus up to 20 remote devices (iOS®, Android® and Windows®) per IFPD* | | | |
| Remote PC Operation | Supported using USB 3.0 Type B and Video Input connections | | | |
| General Specifications | | | | |
| Dimensions (WxDxH) | 50.8" x 3.0" x 30.4" (1,290 x 78 x 773 mm) | 59.4" x 3.3" x 36.2" (1,508 x 83 x 920 mm) | 68.2" x 3.1" x 41.1" (1,733 x 79 x 1,045 mm) | 79.1" x 4.9" x 47.25" (2,009 x 125 x 1,200 mm) |
| Weight | 81.5 lbs. (37 Kg) | 103.6 lbs. (47 Kg) | 134.5 lbs. (61 Kg) | 269 lbs. (122 Kg) |
| Power Source | AC 100 – 240 V / 50 – 60 Hz | | | |
| Power Consumption | < 255 W / < 0.5 W | < 380 W / < 0.5 W | < 500 W / < 0.5 W | < 510 W / < 0.5W |
| Standard Accessories | Wireless Remote Control, Touch Pen & Eraser | | | |
| IP5X Dust Resistant | Certified | | | Not Certified |
| Advanced Display Features | RS232C Control Daisy Chain, Picture Mode (including Low Blue Light mode), Backlight, Contrast, Brightness, Sharpness, Color Temperature, Picture-in-Picture, Picture-by-Picture, Aspect, Adjust Screen, Touch Feature, Language, Power Save, Control Setting, Touch Control Setting, Set Monitor ID, DICOM Simulation (D5530BK, D6520BK, D7510BK only), Motion Detection Sensor (D5530BK, D6520BK, D7510BK only), Advanced Information, Sound Mode, Treble, Bass, Balance, Volume, Mute, Speaker, Audio Source | | | |
| Options & Accessories | | | | |
| Stands | Type 6 BK Rotation Unit Type 1 | Type 7 BK | | Type 4 BK |
| Camera/Microphone | Logitech Recommended: Rally 4K Cam, MeetUp 4K Cam, Connect HD Cam or C930e HD Cam | | | |
| Spare Pen/Eraser | SDW-KIT | | | |
| Windows 10 Open Architecture Controller Specifications | | | | |
| Version | Windows 10 i5 Controller | | Windows 10 i7 Controller | |
| Type / Installation | 1-piece Controller Module. Install into upper Open Pluggable Specification (OPS) Slot on side of IFPDs | | | |
| CPU | Intel Core i5 8500T CPU@2.1GHz | | Intel Core i7 8700T CPU@2.4GHz | |
| Internal Storage/Memory | 512 GB Solid State Drive (SSD) / 16 GB RAM | | | |
| Operating System | Windows 10 Professional - 64 bit | | | |
| Installed Software | Ricoh IWB Lt Software, Customer can install Windows 10-compliant applications | | | |
| Network Interfaces | Wired: 10/100/1000Base-T (RJ-45) x 1 & Wireless: IEEE 802.11 ac/a/b/g/n x 1 for management, remote collaboration and video conferencing*. Plus additional audio and video input/output jacks. | | | |

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 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. *When using licensed IWB Lt software.

Ricoh USA, Inc. 300 Eagleview Boulevard, Exton, PA 19341 | 1-800-63-RICOH

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