

Interactive Whiteboard

RICOH Interactive Whiteboards with the Business Controller

D3210BK, D5520BK, D6510BK, D7500 and D8600BK

RICOH
imagine. change.



Collaborate only on your private network

No external computer required

Brilliant HD and 4K multi-touch screens

Available video-conferencing service

Collaborate and videoconference more securely

Transform your workplace and embrace today's more collaborative, ad hoc and mobile workstyles — while helping to protect your sensitive information — with our Interactive Whiteboards (IWBs) with Business Controllers. Choose from five models of IWBs — also known as Interactive Flat Panel Displays (IFPDs) — with screen resolutions and sizes of HD 32" (D3210BK), HD 55" (D5520BK), HD 65" (D6510BK), 4K 75" (D7500), and 4K 86" (D8600BK). All Ricoh IWBs with business controllers are installed behind your firewall to help safeguard your ideas from today's advanced cyber threats.

Increase team participation

Inspire more participation during meetings and presentations with our enterprise-grade displays. Bring team members and customers into the moment during remote meetings and presentations with precise details, lifelike images and video. The anti-glare touchscreen with LED backlighting helps to ensure that viewers can see what is on your screen in almost any lighting condition. Use our IFPDs with their embedded controllers to present and collaborate, or as displays only, and connect to input sources via VGA, HDMI, DVI-D or DisplayPort interfaces. The multi-point touchscreen incorporates patented ShadowSense™ optical position-sensing technology (55" to 86" models only) so you can seamlessly switch between tasks, add drawings, make handwritten annotations, and zoom in and out of images at will. Undo or redo changes with unmatched precision with either your fingertip or the optional touch pen.



Defend against viruses and malware

Prevent users from intentionally or accidentally installing viruses, malware, ransomware and other cyber threats onto our our locked business controller, as it does not allow users to add software applications. McAfee™ software further protects the business controller by scanning for viruses and malware. Only administrators can access the the controller's password-protected configuration settings, helping prevent users and hackers from bypassing your security policies.



Ward off advanced threats

Help overcome vulnerabilities of network security and risky user behavior. With network security safeguards, you can password protect PDF files to help ensure document security when distributed on or off your network. Our business controllers restrict access to users on your network. This helps to prevent theft of your ideas and intellectual property. Your huddle, meeting and videoconferencing rooms can become digital business hub environments without the increased risks of straying off your network. The business controller can save your documents to convenient local file storage using a meeting code for 1 to 30 days. After codes expire, your files will be automatically deleted. With user behavior safeguards, when a user logs off, information on the IFPD screen disappears and cannot be recovered.



Collaborate across your private network

Add the optional collaborative license to interact in real-time on your private network — with the cost-effectiveness, scalability and platform flexibility of the public cloud — and collaborate bidirectionally with up to 19 additional IFPDs. Each licensed IFPD can then connect with as many as 50 laptops and mobile devices.



Designed for ongoing value

Accelerate wide user adoption

There's no need to connect to a dedicated computer to operate the display or use expensive proprietary software with recurring maintenance fees. And, with the simple intuitive user experience, you can deploy the IFPDs at locations with limited or no IT support. Because our IFPDs are natively interoperable with other Ricoh products and services, you can easily connect them to Ricoh digital projectors to present to and interactively collaborate with large groups. Configure our IFPDs with a Ricoh mobile stand to easily move them about your workplace.



Improve teamwork

In today's workplace, both workers and customers greatly value their time and work-life balance. That's why teamwork becomes more effective with video and genuine face-to-face interactions. When you can see the facial expressions and body language of your remote team members, clients or customers, you can enhance collaboration — while significantly saving on the time and costs of physical meetings that may be difficult or impossible to promptly schedule. You can also install our optional UCS software, which enables painless videoconferencing that takes up no more than 2 Mbps — you don't have to worry about interruptions due to limited bandwidth or slow network speeds.



Maximize your ROI

For more than 80 years, we have helped our customers get the most from their IT investments. As the workplace has changed, our expertise in workplace productivity has evolved to include workstyle innovation with a special focus on business collaboration and visual communication technology, services and consulting. Our SMB and global enterprise teams can help you expertly deploy all-in-one collaboration solutions that meet your unique business needs — depending on your available IT resources. Bundle our IFPDs with enterprise-grade products from our complete portfolio of audio and video conferencing equipment, enterprise apps and cloud services. We offer implementation services, huddle and meeting room planning and business technology consulting for more secured and effective business collaboration.



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

RICOH D3210BK / D5520BK / D6510BK / D7500 / D8600BK

SYSTEM SPECIFICATIONS

Model	D3210BK	D5520BK	D6510BK	D7500	D8600BK
Panel size	32" (28.3" H x 16.3" V)	55" (48.5" H x 27.9" V)	65" (56.2" H x 31.6" V)	75" (65.9" H x 37.5" V)	86" (75.68" H x 43.03" V)
Display type/Backlight	Liquid Crystal Display (LCD)/ LED system				
Resolution	1,920 x 1,080 (HD)			3,840 x 2,160 (4K HD)	
Color	16.7 million (8 bit color processing)			1.07 billion (10 bit color processing)	
Brightness	500 cd/m ²	450 cd/m ²	350 cd/m ²	410 cd/m ²	410 cd/m ²
Aspect ratio	16:9				
Contrast ratio	3,000:1	1,100:1	4,000:1	1,200:1	1,200:1
Pixel pitch	0.364 x 0.364 mm	0.630 x 0.630 mm	0.744 x 0.744 mm	0.429 x 0.429 mm	0.4935 x 0.4935 mm
Response speed	< 10 milliseconds	12 milliseconds	8 milliseconds		12 milliseconds
Viewing angle (H/V)	Left and Right: 178° / Up and Down: 178°				
Display glass	2 mm thick anti-glare glass	3 mm thick anti-glare glass		4 mm thick anti-glare glass	
Touch sensor					
Technology	PCAP (Capacitive Touch)	Shadow Sense			Shadow Sense Gen 2.0
Maximum touch points	10 [When IWB software is active, max number of touch points is 4]				
Touch resolution	Not applicable to PCAP tech 1,920 x 1,080 (HD)				
Touch screen interface	USB 3.0 Type B located on side panel of D5520BK, D6510BK, D7500; located on rear panel of D3210BK and D8600BK				
Touch accuracy	+/- 2 mm (over 90% area)	+/- 6.5 mm (over 90% area)			+/- 2 mm (over 90% area)
Operating system support	Multi-touch (up to 10): Windows® 7, 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), DVI-D x 1 (HDCP compliant; Not available on D3210BK), DisplayPort x 1 (HDCP compliant), USB 2.0 Type A (for video device power supply only)				
Video output	DisplayPort x 1				
Audio input / output	In: 3.5 mm Line in Jack x 1 (For VGA, DVI) Out: +/- Speaker Terminals x 1 pair				
External USB Device Interfaces	USB 3.0 Type A x 4 (Self-powered 7.5 W)	USB 2.0 Type A x 4 and USB 3.0 Type A x 4			
Display control	RS-232c x 1 (Input), RS-232c x 1 (Output)				
Dimensions (W x D x H)	31.0" x 2.75" x 18.9" (789 x 70 x 480 mm)	52.9" x 4.7" x 30.3" (1,345 x 119 x 770 mm)	60.9" x 6.0" x 34.9" (1,546 x 154 x 888 mm)	70.2" x 7.8" x 41.5" (1,783 x 198 x 1,055 mm)	78.97" x 4.96" x 47.24" (2,009 x 126 x 1,200 mm)
Weight	33 lbs. (15 kg)	101.4 lbs. (46 Kg)	132.3 lbs. (60 Kg)	205.0 lbs. (93 Kg)	268.4 lbs. (122 kg)
Power source	AC 100 – 240 V / 50 – 60 Hz				
Power consumption operating / standby	< 215 W / < 0.3 W	< 255 W / < 0.5 W	< 350 W / < 0.5 W	< 420 W / 0.5 W	< 510 W / < 0.5W
Advanced display features	RS232 Control Daisy Chain, Picture Mode (including Low Blue Light mode), Backlight, Adaptive Contrast (Dimming Control), Brightness, 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 Features, Information *D8600BK and D3210BK only				
Remote sharing function	Up to 20 interactive whiteboards and projector systems. Up to 50 remote devices (iOS®, Android® and Windows®) per interactive whiteboard*				
Remote PC operation	Yes**				
Bluetooth	Supported, v2.1+EDR V3.0/V4.0				
Ricoh Business Controller Type 2					
CPU	Intel® Core i5 6500TE CPU @ 2.3 GHz plus external Capture Module				
Operating System	Windows 10 IoT Enterprise - 64 bit				
Solid State Drive	128 GB				
RAM	8 GB				
Options					
IWB Stands	Type 1	Type 2 BK	Type 3 BK	Type 4	Type 4 BK
Web/videoconferencing options	Built-in Speakers: 8W x 2 (Stereo), Built-in Microphone: None, Video Camera: Optional, Logitech recommended	Built-in Speakers: 12W x 2 (Stereo), Built-in Microphone: 58dB S/N Ratio, Video Camera: Optional, Logitech recommended	Built-in Speakers: 12 W x 2 (Stereo), Built-in Microphone: 58dB S/N Ratio, Video Camera: Optional, Logitech recommended	Built-in Speakers: 12 W x 2 (Stereo), Built-in Microphone: 58dB S/N Ratio, Video Camera: Optional, Camera Unit Type 1	Built-in Speakers: 12 W x 2 (Stereo), Built-in Microphone: None, Video Camera: Optional, Logitech recommended
Item	EDP Code		Item	EDP Code	
RICOH Interactive Whiteboard D3210BK	432424		IWB Desktop Stand Type 1 (for D3210BK)	755213	
RICOH Interactive Whiteboard D5520BK	432444		IWB Stand Type 2 BK (for D5520BK)	432448	
RICOH Interactive Whiteboard D6510BK	432445		IWB Stand Type 3 BK (for D6510BK) [2 boxes, order both EDP Codes]	432449 & 432450	
RICOH Interactive Whiteboard D7500	432224		IWB Stand Type 4 (for D7500) [2 boxes, order both EDP Codes]	432261 & 432262	
RICOH Interactive Whiteboard D8600BK	432447		IWB Stand Type 4 BK (for D8600BK) [2 boxes, order both EDP Codes]	432451 & 432452	
RICOH Business Controller Type 2	432319		RICOH IWB Pen Sensor Kit Type 3	432219	
RICOH IWB Remote License Type 1	431128		RICOH IWB Touch Pen Type 2 (for D3210BK only)	755219	
RICOH IWB Camera Unit Type 1	432221		Pen and Eraser Kit (55"- 86")	SDW-KIT	

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. **Using USB Type B and Video Input Connection.



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