

Ricoh IFPD D3210BK Competitive Matrix

Model	Ricoh D3210BK	Sharp Aquos PN-L401C	ViewSonic CDM4300T	ViewSonic EP3220T	ViewSonic VSD242
Street Price	\$1,840 - Display only \$1,789 - Business Controller \$1,789 - Windows 10 i5 Controller \$2,939 - Windows 10 i7 (OP-10) Cntrlr.	\$1,467 - Display only \$959 - PN-ZB03W Wireless Board \$695 - PN-ZB03H HDBaseT Board	\$1,699 - \$2,199 w/ integrated Quad Core media player and web browser	\$1,199 w/ integrated Quad Core media player and web browser	\$499 w/ integrated Android OS, controller with Google GMS, Quad Core media player and web browser
Display Specifications					
Panel Size / Aspect Ratio	31.5" diagonal / 16:9	39.5" diagonal / 16:9	42.5" diagonal / 16:9	32" diagonal / 16:9	23.6" diagonal / 16:9
Supported Display Orientations	Horizontal, Vertical (Portrait), Flat	Horizontal, Vertical (Portrait), Flat	Horizontal, Vertical (Portrait)	Horizontal, Vertical (Portrait)	Horizontal, Vertical (Portrait), Flat
Screen Type	LCD	LCD	LCD	LCD	LCD (TFT In-Plane Switching)
Back Light	LED	LED	Edge Emitting LED (ELED)	Edge Emitting LED (ELED)	LED
Maximum Resolution	1,920 x 1,080 dpi (HD)	1,920 x 1,080 dpi (HD)	1,920 x 1,080 dpi (HD)	1,920 x 1,080 dpi (HD)	1,920 x 1,080 dpi (HD)
Maximum Display Colors	16.77 million	16.77 million	16.77 million	16.77 million	INA
Contrast Ratio	3,000:1	5,000:1	1,100:1	1,200:1	3,000:1
Brightness	500 cd/m ²	300 cd/m ²	450 cd/m ²	300 cd/m ²	250 cd/m ²
Angle of View	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°
Touch Screen Technology	PCAP (Capacitive Touch)	PCAP (Capacitive Touch)	Infrared	PCAP (Capacitive Touch)	PCAP (Capacitive Touch)
Touch Screen Response Speed	< 10 milliseconds	9.5 milliseconds	12 milliseconds	8 milliseconds	16 milliseconds
Maximum Number of Touch Points	10 (TouchPanel) 4 (using IWB Software)	10	10	10	10
Built-in Camera	No	No	No	No	Integrated 5M pixel webcam
Built-in Microphone	No	No	No	No	Yes
Built-in Speakers	8 W x 2	10 W x 2	10 W x 2	5 W x 2	2.5 W x 2
Advanced Features					
Finger Writing & Page Control	Standard	Standard	Standard	Standard	Standard
Electronic Pen Writing	Passive touch pen	Passive touch pen	Passive touch pen	Passive touch pen	Not Supported
Intelligent Character Recognition	Standard	Not Supported	Not Supported	Not Supported	Not Supported
Daisy Chain Display & Control	Supported	Not Supported	Supported	Supported (Control only)	Not Supported
Picture In Picture/Picture By Picture	Supported	Supported	Supported + 10 x 10 tiling capability	Split Screen w/ ViewSplit software	Split Screen w/ ViewSplit software
Page Creation/Mark-up/Saving	Supported	Supported	Images/files saved to internal memory	Images/files saved to internal memory	Images/files saved to internal memory
Document Annotation	Supported	Supported	Supported	Supported with opt. apps & hardware	Supported with optional applications
Remote Interactive Collaboration	Supported with Remote License	Supported with opt. service & hardware	Supported with opt. apps & hardware	Supported with opt. apps & hardware	Supported with optional applications
Real-time Video Conferencing	Supported with Remote License	Supported with opt. service & hardware	Supported with opt. apps & hardware	Supported with opt. apps & hardware	Supported
Active Participation w/Remote Tablets	Supported with Remote License	Supported with optional wireless board	Supported with opt. apps & hardware	Supported with opt. apps & hardware	Not Supported
Display Connectivity Terminals					
Input Terminals	<ul style="list-style-type: none"> ◆ Mini D-Sub 15-pin (VGA) x 1 ◆ HDMI x 1 (HDCP compliant) ◆ DisplayPort x 1 (HDCP compliant) ◆ USB 3.0 Type B x 1 (for Touch) ◆ USB 3.0 Type A x 4 ◆ OPS x 1 + Capture Module Slot ◆ Additional HDMI, DisplayPort, VGA, USB, Audio & Wireless LAN terminals on optional Controller Modules 	<ul style="list-style-type: none"> ◆ Mini D-Sub 15-pin (VGA) x 1 ◆ HDMI x 2 (HDCP compliant) ◆ DisplayPort x 1 (HDCP compliant) ◆ USB 2.0 Type B x 1 (for Touch) ◆ USB 2.0 Type A x 2 ◆ Mini OPS x 1 for optional Wireless or HDBaseT receiver board with additional input/output terminals 	<ul style="list-style-type: none"> ◆ Wireless LAN ◆ HDMI x 2 ◆ DisplayPort x 1 ◆ DVI-I x 1 ◆ USB 2.0 Type B x 1 (for Touch) ◆ USB 2.0 Type A x 2 ◆ Micro SD Card Slot ◆ Micro USB x 1 ◆ RJ-45 x 1 (10/100BaseT) 	<ul style="list-style-type: none"> ◆ Mini D-Sub 15-pin (VGA) x 1 ◆ HDMI/MHL x 1 ◆ HDMI x 1 ◆ USB 2.0 Type B x 1 (for Touch) ◆ USB 2.0 Type A x 1 ◆ USB 3.0 Type A x 2 ◆ RJ-45 x 1 (10/100BaseT) 	<ul style="list-style-type: none"> ◆ 802.11 b/g/n Wireless LAN ◆ HDMI/MHL x 1 ◆ USB 2.0 Type B x 1 (for Touch) ◆ USB 2.0 Type A x 4 ◆ Micro SD Card Slot ◆ Micro USB x 1 ◆ RJ-45 x 1 (10/100/1000BaseT) ◆ Bluetooth 4.0
Video Output	<ul style="list-style-type: none"> ◆ DisplayPort x 1 	<ul style="list-style-type: none"> ◆ None 	<ul style="list-style-type: none"> ◆ DisplayPort x 1 ◆ DVI-I x 1 	<ul style="list-style-type: none"> ◆ None 	<ul style="list-style-type: none"> ◆ HDMI/MHL x 1
Audio Input	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 ◆ 3.5 mm Microphone Jack x 1
Audio Output	<ul style="list-style-type: none"> ◆ +/- Speaker Terminals x 1 pair 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1 	<ul style="list-style-type: none"> ◆ 3.5 mm Stereo Jack x 1
Control Terminals	<ul style="list-style-type: none"> ◆ RS-232C x 2 (Input & Output) ◆ RJ-45 x 1 on Controllers 	<ul style="list-style-type: none"> ◆ RS-232C x 1 (Input) ◆ RJ-45 x 1 (10/100BaseT) 	<ul style="list-style-type: none"> ◆ RS-232C x 2 (Input & Output) 	<ul style="list-style-type: none"> ◆ RS-232C x 1 	<ul style="list-style-type: none"> ◆ RJ-45 x 1 (10/100/1000BaseT)
Physical Specifications					
Dimensions (WxDxH)	31.0" x 2.75" x 18.9"	36.9" x 2.65" x 21.5"	39.5" x 2.5" x 23.3"	29.6" x 2.2" x 17.6"	22.6" x 1.9" x 13.9"
Weight	37.5 lbs.	38.6 lbs.	42.8 lbs.	22 lbs.	12.3 lbs.
Product Warranty	3 Years	3 Years	3 Years	1 Year	3 Years
Notes					
INA = Information not available	<ul style="list-style-type: none"> ◆ Choice of Windows 10 i5, Windows 10 i7, or Business Controller 	<ul style="list-style-type: none"> ◆ Includes stand for desktop use 	<ul style="list-style-type: none"> ◆ Primarily a digital signage solution; collaboration/conferencing optional 	<ul style="list-style-type: none"> ◆ Primarily a digital signage solution; collaboration/conferencing optional 	<ul style="list-style-type: none"> ◆ Optional Kiosk stand ◆ PC monitor substitute

This information has been compiled from several sources including specification guides, published analyst reports, product brochures, and data gathered from manufacturer/reseller Websites. Some discrepancies were found. This document represents a compilation of these sources to the best of Ricoh's ability. Information subject to change.