

## Ricoh IFPD D7510BK Competitive Matrix

Model	Ricoh D7510BK	Sharp PN-L751H	Cisco Webex Board 70"	Promethean Activ Panel 75 Titanium	Boxlight ProColor 753U
<b>Street Price</b>	\$5,345 - IFPD only \$1,535 - Windows 10 i5 Controller \$1,989 - Windows 10 i7 Controller	\$6,090 w/ Embedded Android Controller	\$10,797 plus Cisco Webex Service subscription	\$4,989 w/ Standard Android Controller	\$4,737 w/ Standard Android Controller
<b>Display Specifications</b>					
<b>Panel Size / Aspect Ratio</b>	75" diagonal / 16:9	75" diagonal / 16:9	70" diagonal / 16:9	75" diagonal / 16:9	75" diagonal / 16:9
<b>Supported Display Orientations</b>	Horizontal	Horizontal, Vertical (Portrait)	Horizontal	Horizontal	Horizontal
<b>Screen Type</b>	LCD	LCD	LCD	LCD	LCD
<b>Back Light</b>	DLED	LED, direct lit	LED	LED	LED
<b>Maximum Resolution</b>	3,840 x 2,160 dpi (4K)	3,840 x 2,160 dpi (4K)	3,840 x 2,160 dpi (4K)	3,840 x 2,160 dpi (4K)	3,840 x 2,160 dpi (4K)
<b>Maximum Display Colors</b>	1.07 billion (10 bit color processing)	1.07 billion	1.07 billion	1.07 billion	1.07 billion
<b>Contrast Ratio</b>	4,000:1	5,000:1	4,000:1	4,000:1	1,100:1
<b>Brightness</b>	440 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
<b>Angle of View</b>	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°	Left/Right: 176°, Up/Down: 176°	Left/Right: 178°, Up/Down: 178°	Left/Right: 178°, Up/Down: 178°
<b>Touch Screen Technology</b>	InGlass™ by FlatFrog + Optical Bonding	InGlass™ by FlatFrog	Capacitive Touch	Vellum Writing Technology	Infrared
<b>Touch Screen Response Speed</b>	8 milliseconds	9.5 milliseconds	6 milliseconds	8 milliseconds	<10 milliseconds
<b>Maximum Number of Simultaneous Touch Points</b>	20 points (TouchPanel) 4 points (using IWB Software)	20 points	1 or 2 points	20 points	20 points - Windows & Mac 1 point - Chrome
<b>Built-in Camera</b>	No	No	Yes	No	No
<b>Built-in Microphone</b>	No	No	Yes	No	No
<b>Built-in Speakers</b>	12 W x 2 (Front)	10 W x 2	INA W x 2	15 W x 2	12 W x 2
<b>Installation Type</b>	Wall mount or optional rolling stand	Wall mount or optional 3 <sup>rd</sup> Party stand	Optional floor stand or Wall mount	Optional floor stand or Wall mount	Optional floor stand or Wall mount
<b>Advanced Features</b>					
<b>Finger Writing &amp; Page Control</b>	Supported	Supported	Supported	Supported	Supported
<b>Passive Pen Writing</b>	Supported	Supported	Supported	Supported	Supported
<b>Intelligent Character Recognition</b>	Not Supported	Supported	INA	Supported	Not Supported
<b>Daisy Chain Display &amp; Control</b>	Supported	Not Supported	Supported	Supported	Not Supported
<b>Picture In Picture/Picture By Picture</b>	Supported	Supported	Supported	INA	INA
<b>Page Creation/Mark-up/Saving</b>	Supported	Supported	Supported	Supported	Supported
<b>Remote Interactive Collaboration</b>	Supported with IWB Remote License	Supported	Supported w/ Cisco Webex Teams app	Supported	3 <sup>rd</sup> Party Supported
<b>Real-time Video Conferencing</b>	Supported with IWB Remote License	3 <sup>rd</sup> Party Supported	Supported w/ Cisco Webex Teams app	3 <sup>rd</sup> Party Supported	3 <sup>rd</sup> Party Supported
<b>Participation via Remote Devices</b>	Supported with IWB Remote License	Supported	Supported w/ Cisco Webex Teams app	Supported	3 <sup>rd</sup> Party Supported
<b>Display Connectivity Terminals</b>					
<b>Display Input Terminals</b>	<ul style="list-style-type: none"> <li>▶ Mini D-Sub 15-pin (VGA) x 1</li> <li>▶ HDMI x 1 (HDCP compliant)</li> <li>▶ DisplayPort x 1 (HDCP compliant)</li> <li>▶ USB 3.0 Type B x 1 (for Touchscreen)</li> <li>▶ USB 3.0 Type A x 6 (2 rear, 4 side)</li> <li>▶ OPS x 1 for Controller Module</li> <li>▶ OPS x 1 for Capture Module</li> <li>[Additional input &amp; network interfaces on opt. Controller &amp; Capture modules]</li> </ul>	<ul style="list-style-type: none"> <li>▶ Mini D-Sub 15-pin (VGA) x 1</li> <li>▶ HDMI x 2 (HDCP compliant)</li> <li>▶ DisplayPort x 1 (HDCP compliant)</li> <li>▶ USB 2.0 Type B x 1 (for Touchscreen)</li> <li>▶ USB 2.0 Type A x 2</li> </ul>	<ul style="list-style-type: none"> <li>▶ HDMI x 1</li> <li>▶ Wireless LAN</li> <li>▶ Gigabit Ethernet (RJ-45) x 1</li> <li>▶ USB 3.0 Type A x 1 (for service)</li> <li>▶ Bluetooth 4.0 LE</li> </ul>	<ul style="list-style-type: none"> <li>▶ Mini D-Sub 15-pin (VGA) x 1</li> <li>▶ HDMI x 3</li> <li>▶ DisplayPort x 1</li> <li>▶ Bluetooth 4.2</li> <li>▶ Wireless LAN</li> <li>▶ Gigabit Ethernet (RJ-45) x 1</li> <li>▶ USB-A 2.0 x 2</li> <li>▶ USB-B 2.0 x 4</li> <li>▶ USB-A 3.0 x 4</li> </ul>	<ul style="list-style-type: none"> <li>▶ Mini D-Sub 15-pin (VGA) x 1</li> <li>▶ HDMI x 3</li> <li>▶ Wireless LAN</li> <li>▶ Gigabit Ethernet (RJ-45) x 1</li> <li>▶ USB-A 2.0 x 2</li> <li>▶ USB-B 2.0 x 1 (for Touchscreen)</li> <li>▶ USB-A 3.0 x 3</li> </ul>
<b>Video Output</b>	▶ DisplayPort x 1	▶ Display Port x 1	▶ N/A	▶ HDMI x 1	▶ HDMI x 1
<b>Audio Input</b>	▶ 3.5 mm Line In Jack x 1	▶ 3.5 mm Line In Jack x 1	▶ N/A	▶ 3.5 mm Line In Jack x 1	▶ 3.5 mm Line In Jack x 1
<b>Audio Output</b>	▶ 3.5 mm Headphone Out Jack x 1	▶ 3.5 mm Line Out Jack x 1	▶ 3.5 mm Line Out Jack x 1	▶ 3.5 mm Line Out Jack x 1	▶ 3.5 mm Line Out Jack x 1
<b>Control Terminals</b>	▶ RS-232C x 2 (Input & Output) ▶ RJ-45 x 1 on Controller	▶ RS-232C x 1 Input	▶ N/A	▶ RS-232C x 1 Input	▶ RS-232C x Input
<b>Physical Specifications</b>					
<b>Dimensions (WxDxH)</b>	68.2" x 3.1" x 41.1"	67.87" x 3.87" x 40.19"	64.1" x 2.4" x 40.7"	69.4" x 4.3" x 42.9"	67.3" x 3.4" x 40.2"
<b>Weight</b>	134.5 lbs.	135 lbs.	141.8 lbs.	132 lbs.	114.2 lbs.
<b>Product Warranty</b>	3 Years	3 Years	90 days	3 Years	1 Year
<b>Notes</b>					
<i>INA = Information not available</i> <i>N/A = Function not available</i>	▶ Motion sensor detection activation	▶ Includes 2 Wi-Fi antennas, Stylus x 2, Sharp Touch Viewing Software, Sharp Pen Software, Camera Mounting Kit, Sharp Display Connect License	▶ Monthly or annual subscription. ▶ Closed Cisco Cloud architecture. ▶ Dual-screen capable.	▶ Activ Inspire License required	▶ Optional Internal PC Module ▶ Includes MimioStudio software with 3 device mobile collaboration app license