OLED · 15.6inch Touch Display

RICOH
Portable Monitor
150/150BW

RICOH
imagine. change.

Unleash Your Potential

We're in an era where workstyles and lifestyles are diversifying. Whether you're in the office or on-the-go, make the most of your time with the lightweight and feature-rich RICOH Portable Monitor 150/150BW.

OLED Panel
15.6 inch

Thinnest part
Approx. **4.8mm**

Weight

150 — **1.23** lb (19.8oz)

150BW — **1.58** lb (25.2oz)

Portability `150` **1.23lb(19.8oz)** `150BW` **1.58lb(25.2oz)**

The 15.6-inch monitor is lightweight and easily stowable. Measuring just 4.8mm thick at its slimmest point, you'll find it easy to carry every day. Ricoh's integrated cable rings let you cleanly store the display, even while the cables are attached.
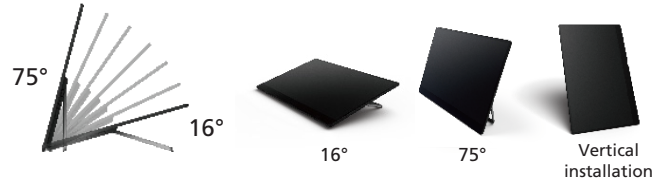
Usability `150` `150BW`

The integrated stand can be freely adjusted to achieve the optimum angle for use. The USB Type-C® cable can be used for both charging and connectivity to a PC, Mac, or smartphone.

Connected devices must be compatible with USB PD or DP Alt Mode. To use extended functions, they must also be compatible with those particular functions.

75°
16°
16° 75° Vertical installation

Visibility `150` `150BW`

The vibrant 15.6" OLED Display produces minimal blue light to enhance your experience when viewing and working.

DCI-P3 100%

Eye Care Display
SGS PERFORMANCE TESTED Samsung OLED | Harmful Blue light less than **6.5x**

Draw `150` `150BW`

Draw, annotate, and collaborate effortlessly with a high-performance 10-pont multi-touch[*1] display. Write and make precise inputs with the optional RICOH Stylus Pen[*2], which offers 4,096 levels of pressure sensitivity, allowing for sophisticated visualizations of your designs and ideas.

[*1] Touch operation requires OS support
[*2] The stylus is optional

Recommended writing angle (16°)

Wireless Connection `150BW`

It's easy to wirelessly connect* the RICOH Portable Monitor 150BW to a PC or smartphone (Miracast®) and freely operate it without a cable. A built-in high-capacity battery provides about three hours of wireless operation. Enjoy work and entertainment without worrying about having to charge on the go.
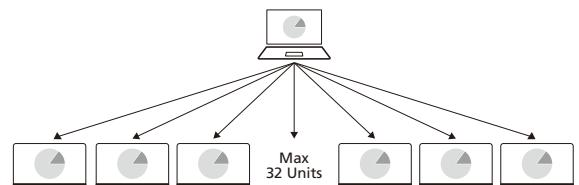
*There is no guarantee that all PCs and smartphones can connect.

Miracast®

Up to 2 devices can be connected to a display at a time
Connecting with Mac OS and iOS requires a dedicated app.

Multicast

Max 32 Units

Multicast up to 32 RICOH Portable Monitors
All connected devices must have a Windows® app installed.

Only one of the connected devices can be touch-operated while connected. You can change what devices are connected at any time.

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RICOH Portable Monitor 150/150BW

		RICOH Portable Monitor 150	RICOH Portable Monitor 150BW
EDP code		514909	514910
Display panel	Display method	OLED (Organic Light Emitting Diode)	
	Maximum resolution	1920 × 1080	
	Brightness (max)*1	300 nit (=cd/m2)	
	Contrast	1:100,000	
	Display colors	8bit+2bit FRC (maximum number of colors: Approx. 1.07 billion colors)	
	Panel size	15.6 inches	
	Refresh rate	60Hz	
	Color gamut	DCI-P3	
	Viewing angle	85° or higher	
	Response time	1ms	
	Blue light cut	Eye Care Display certified	
	Number of simultaneous display units	1 unit	Max. 2 units (wireless)
Touch panel	Protective glass	Toughened glass, AF (anti-fingerprint) coating	
	Detection method	Active electrostatic coupling method (AES2.0)	
	10-point multi-touch *2	Supported(Windows®/Android™)	Wireled/Wireless connection : Supported(Windows®/Android™)
Interfaces	Back side	USB Type-C® 2 (External power supply/DisplayPort™ signal input function supported)	
	Screen wireless communication method, Encryption	-	Miracast® *3 WPA2™-PSK
	Supported wireless LAN standard	-	IEEE802.11 b/g/n (2.4 GHz), IEEE802.11 a/n/ac (5 GHz)
Audio	Built in speaker	1.5W × 2	
Power supply (external)	Input method	USB Power Delivery (USB Type-C® powered)	
	Input *4	Max. 45W (5V/3A, 9V/3A, 15V/3A, 20V/2.25A)	
	Output (power pass through)*5	Max. 25W (5V/0.9A, 9V/0.77A, 15V/1.66A, 20V/1.25A)	
	ON mode power consumption	13 W or less	15.5 W or less
	Standby mode power consumption	0.2 W or less	
Internal battery	Type	-	Lithium-ion battery
	Capacity	-	3740mAh
	Charging time	-	Approx. 2.5 hours*6
	Operating time (when fully charged)	-	Continuous operating time: 3 hours *7
Environment	Operating temperature	0~35℃	
	Operating humidity	10–80% (without condensation)	
Continuous operating time		20 hours *8	
Weight (main unit only)		1.23lb(560g)	1.58lb(715g)
Dimensions (main unit only) W × D × H		356.0 × 10.8 × 221.7mm (thinnest part: 4.8mm)	
Screen installation angle	Landscape orientation	Free stop (Approx. 75–16°),Recommended angle for writing: Approx. 16°	
	Portrait orientation	Approx. 70°	
Certification Supported Certifications		Energy Star, Act on Promoting Green Purchasing	
Bundled items		USB Type-C® cable ×1, Cable clamps ×4, Sleeve case, Warranty card, Read This First, Quick Guide	
		-	License Code for "RICOH Monitor Multicast for Windows®"
Main unit warranty period		3 years	

*1 The brightness varies depending on the input mode's video adjustment settings, etc. Brightness will also deteriorate over time. It does not maintain a constant brightness. *2 Touch-and-handwriting features and display accuracy are essentially dependent on the handling of OS or each application. Handwritten images may appear erroneously due to Miracast® process properties when wirelessly connected. *3 SSE (Smart Streaming Engine) is used. The free software products listed below are required to connect wirelessly over Mac PC and iPhone. *4 If the input power is insufficient according to the specifications of this unit, the operation may become unstable. *5 Depending on PC or smartphone specifications, pass-through may not be possible or there may be restrictions on the operation of the unit. *6 When charging in an environment of 16 to 35 ° C. *7 It is a guideline on shipment condition according to our measuring method, and it changes according to operating conditions. *8 Due to the nature of organic EL, there is a possibility that an afterimage may remain on the display when a still image or still character is displayed for a long time. This product is not designed for continuous operation for more than 20 hours. Use of the product beyond the specifications of continuous operation time may shorten the life of the main unit. It is not guaranteed to connect to all PCs and smartphones. Please check our website for the models whose operation has been confirmed with Windows® PCs and Android™ smartphones. The wireless connection may become unstable during high-load operation on a PC or smartphone or due to the surrounding radio wave conditions.

Free software

Product name	Overview
RICOH Monitor Multicast for Windows®	It mirrors the display of one Windows® PC to up to five RICOH Portable Monitor 150BWs and allows touch-operation from one of them.
RICOH Monitor Mirroring for macOS	Mirrors the display of one Mac PC to one RICOH Portable Monitor 150BW.
RICOH Monitor Mirroring for iOS	Mirrors the display of one iPhone to one RICOH Portable Monitor 150BW.

A PC or smartphone with the same software installed can be connected to a RICOH Portable Monitor 150BW on the same network (same subnet). Speed depends on your network environment.

Option

Product name	Specifications	EDP code
RICOH Monitor Stylus Pen Type1	AES2.0/AA6 (AAAA) batteries × 1, up to 4096 levels of writing pressure detection, function buttons × 2*1	514913

*1 The function keys depend on OS app support. They do not work during wireless connection. This also applies to palm rejection (a function that allows you to write with a pen while touching a part of your hand on the screen).

Recommended specifications for related peripherals

Category	Recommended specifications
AC adapter	USB Power Delivery (USB PD) supported, Max. 45W or higher
USB cable	Type-C to C, rated current 3A or higher, compatible with video outputting

Precautions for use

●The unit may become hot when the brightness setting of the screen is high, wireless connection is made, or the battery is being charged. Be careful not to continue using the product when it is in direct contact with your body. ●The Organic EL (OLED) panel is made with a highly accurate technique, but there may be pixels that do not light up in some parts of the screen. Note that this is not a malfunction that affects the operation of this unit. ●Before using the product, be sure to observe the instructions in the "Before you start" manual. ●Do not place objects on top of the unit. ●Do not exert strong force on the Organic EL (OLED) panel when using it. ●Use the product in a place suitable for the operating environment conditions. ●Do not use the product in a poorly ventilated place, a place where there is a lot of oil smoke or cigarette smoke, or in a place with high humidity. Doing so may shorten the life of the main unit.
●Some of the specifications are subject to change without notice. Note that the color tone of the product may differ from the actual product due to printing. ●The photograph is for illustration purposes only. ●All the images on the screen are composited. They differ from the actual display. ● Please consult your sales representative for detailed performance, specifications, constraints, etc. ●DisplayPort™ is a trademark of the Video Electronics Standard Association (VESA®) in the United States and/or other countries. ●Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. ●Miracast is a trademark of Wi-Fi Alliance. ●Android is a trademark of Google LLC.. ●Mac, Mac OS and Apple are trademarks of Apple Inc.. ●iPhone trademarks are used under licensing from iPhone Co., Ltd. ●iOS is a trademark in the United States and/or elsewhere or a Cisco registered trademark used under licensing. ●Wi-Fi™ and WPA2™ are trademarks of Wi-Fi Alliance. ●IEEE is a trademark of The Institute of Electrical and Electronic Engineers, Inc. ●Other company names, product names, and logo marks listed in this catalog are trade names, trademarks, or registered trademarks of their respective companies.