



JADAK®
visionary thinking

4800p

Area-Imaging Scanner

The 4800p is a compact solution that delivers high performance bar code scanning, plus the added versatility of digital image capture. The 4800p's unique form factor makes it ideal for installation where space is limited and continuous scan mode enables a user to easily scan items by simply placing them in front of the scanner—no need to press a trigger.

Powered by Adaptus® Imaging Technology 5.0, the 4800p delivers high-performance omnidirectional reading of all bar code symbologies—including linear, stacked and 2D bar codes—with a single technology solution. Regardless of the bar codes in your application today, Adaptus Imaging gives you the flexibility to adapt as your business requirements change without the need to reinvest in new hardware.

Adaptus Imaging also enables the 4800p to take digital pictures—allowing the user to electronically capture, store, and retrieve information, including signatures, pharmacy prescriptions, and forms of personal identification—streamlining and simplifying the storage and management of information by going from paper to digital.

The 4800p's platform stand features an integrated tray that's optimized for capturing digital images of small documents such as drivers' licenses, ID cards or insurance cards. Angle and distance from the document are all pre-configured, making it fast and easy for users to capture and store high-quality images of hard copy documents.

Used without the stand, the 4800p can serve as a triggerless hand-held scanner, a fixed position scanning solution or an integrated component of a broader system such as a kiosk.



Features

- **High Performance and Versatile Data Collection:** Adaptus Imaging 5.0 provides aggressive omnidirectional reading of all linear, composite, and 2D bar codes, plus digital image capture—enabling you to collect and manage more data with a single device
- **Compact, User-Friendly Design:** Small footprint makes installation easy, even in locations where space is limited without sacrificing ease-of-use or functionality
- **Robust Image Processing Software:** Advanced on-board software enabling you to crop, rotate, enhance, and compress digital images, ensuring their usability
- **Multi-Functional Stand:** Positions the 4800p for easy presentation scanning and provides an integrated tray for imaging small documents
- **Built to Last:** Solid-state technology ensures reliability.
- **Common Cabling:** Uses same cable solutions as our other linear and 2D imagers—simplifying ordering and spares pool management

4800p Technical Specifications

Mechanical

Dimensions (LxWxH)	Pod: 85 mm x 59 mm x 35 mm (3.4" x 2.3" x 1.4"); Stand: 87 mm x 100 mm x 178 mm (3.4" x 3.9" x 7.0")
Weight	Pod: 3.0 oz (85.1 g); Stand: 8.0 oz (227.0 g)

Electrical

Input Voltage	5 VDC
Operating Power	1.8 W (350mA @ 5 V)
Standby Power	0.4 W (75mA @ 5V)
Host System Interfaces	USB Serial Com Port Emulation, USB Keyboard, USB Retail (IBM SurePOS), USB HID

Environmental

Operating Temperature	-30°C to +40°C (-22°F to +104°F)
Storage Temperature	-40°C to +70°C (-40°F to 158°F)
Humidity	0 to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.8 m (6') drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	100,000 Lux

Scan Performance

Scan Pattern	Area Image (752 x 480)
Motion Tolerance	10 cm/s (4") for 13 mil UPC
Print Contrast	20%
Pitch, Skew	40°, 40°
Decode Capabilities	Reads standard 1D, PDF and 2D symbologies.
Warranty	5 year factory warranty

Typical Performance*	
Narrow Width	Depth of Field
7.5 mil (Code39)	64 mm - 163 mm (2.5" - 6.4")
13 mil (UPC)	51 mm - 224 mm (2.0" - 8.8")
6.6 mil (PDF)	71 mm - 150 mm (2.8" - 5.9")
10 mil (PDF)	56 mm - 191 mm (2.2" - 7.5")
8.3 mil (QR)	84 mm - 137 mm (3.3" - 5.4")
*Performance may be impacted by bar code quality and environmental conditions	

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