

# 4800p

## 2D Image Pod

The 4800p is a compact solution that delivers high performance barcode 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 omni-directional reading of all barcode symbologies - including linear, stacked and 2D barcodes - with a single technology solution. Regardless of the barcodes 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 handheld 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 omni-directional 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 Specifications

## Performance

Illumination LEDs:	626nm ±30nm
Aiming (Green LED Aimer):	526nm ±30nm
Image:	VGA, 752x480. BMP, TIFF, or JPEG output.
Working Range:	

SF	7.5 mil Code 39 (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	8.3 mil QR Code (.021cm)
Near	2.5 in. (6.4cm)	2.0 in. (5.1cm)	2.8 in. (7.1cm)	2.2 in. (5.6cm)	3.3 in. (8.4cm)
Far	6.4 in. (16.3cm)	8.8 in. (22.4cm)	5.9 in. (15.0cm)	7.5 in. (19.1cm)	5.4 in. (13.7cm)

Skew Angle:	+40°
Pitch Angle:	+40°
Motion Tolerance:	4 in. (10 cm) per second

## Mechanical/Electrical

	Pod	Stand
Length:	3.35 in. (8.5 cm)	3.43 in. (8.7cm)
Height:	1.38 in. (3.5 cm)	6.99 in. (17.8cm)
Width:	2.33 in. (5.9 cm)	3.92 in. (10.0cm)
Weight:	3.0 oz. (85.0 g)	8.0 oz. (227.0 g)
Housing:	UL94-HB	UL94-HB
Power Requirements:	4.5 - 5.5VDC	
Current Draw (Typical)	<b>Input</b>	<b>Scanning</b> <b>Idle</b>
	5 V	350mA    75mA
Trigger:	Presentation trigger only (no mechanical trigger)	
Good Read LED:	No	
Beeper:	Yes	

## Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
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## Environmental

Operating Temperature:	-22°F to +104°F (-30°C to +40°C) - Based on no more than 20 scans/minute
Storage Temperature:	-40°F to 158°F (-40°C to +70°C)
Humidity:	0 to 95%, non-condensing
Mechanical Shock:	Operational after 50 drops from 6 ft. (1.8 m) to concrete
Ambient Light:	50 to 100,000 lux (full sunlight)
ESD Protection:	Functional after 100 15kV discharges
Vibration:	Withstands 5G peak from 22 to 300 Hz
Agency:	USA: FCC Class B, UL Canada: IC Class B, cUL Europe: GS mark, CE mark, 60825-1 Class 1 LED, 60950-1
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 70,000 hours

## Symbologies

2 Dimensional:	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
Linear:	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock F, and BC412* <i>*available to licensed users</i>
Postal (SR/SF Only):	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
OCR Fonts (SR/SF Only):	OCR-A, OCR-B
Interfaces:	USB Serial Com Port Emulation, USB Keyboard, USB Retail (IBM SurePOS), USB HID

