



# PS800R (2D Retail imager)

High performance on-counter imager at very affordable price!

PS800R supports on-screen reading

The Unitech PS800R (Retail) is the ideal on-counter imager for retailers who require high performance in a compact design. Supporting all common 1D, QR code and DataMatrix barcodes, the PS800R is specially designed with retail in mind and can be used in a wide variety of applications such as point-of-sale, customer loyalty application, couponing, at affordable price!



## Ultimate RETAIL imager!

High performance 1D/ 2D reading with a worry-free 5-year (easy swap) warranty and all at a very competitive price!

### Smart and compact design

When space is limited but high performance is required, its compact size and footprint makes it the ideal solution for space-constrained environments.

The PS800R is equipped with an adjustable omni-directional scanning head, you can move its head forward and backward to adjust the scanner to the most convenient hands-free scanning position meeting your needs. Integrated with an image auto-induction function effectively reduces power consumption and subsequent core components abrasion. Moreover, the PS800R is designed with an ergonomic finishing grip, suitable for handheld operation (trigger mode).

### High performance on-counter scanning

Besides reading all common 1D, QR code and DataMatrix barcodes, this on-counter scanner is also able to read digital barcodes displayed on the screen of a mobile phone, tablet or computer, without losing scanning quality or performance.

Featuring a rugged design, the PS800R on-counter scanner is IP50 rated for environmental protection and has a high 1.5 m drop specification, making the scanner durable.

### Main Features

- High performance on-counter imager at very competitive price!
- Special designed for retail applications.
- Support most common 1D, QR code and DataMatrix barcodes.
- Versatile scanning mode and adjustable scanning head.
- Compact design - fitting most confined spaces
- On-counter and handheld design.
- Supports USB/HID, USB/SPP and OPOS\* (\* Additional software driver needed)
- Reads digital barcodes displayed on the screen of a mobile phone, tablet or computer.
- Rugged and durable design with IP50 and 1.5m drops.
- Very cost-efficient investment with worry-free warranty program (5-year easy swap warranty).



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# v1 PS800R Specifications

**In the box:** PS800R 2D imager, 2.0 m straight USB cable, Quick Guide and worry-free 5-year warranty!

## Operational & Performance

Technology	2D imager, 752 x 480 pixels
Light level	Max 100.000 LUX
Scan Skew	± 58°
Scan Pitch	± 73°
Scan Roll	360°
Indicator	Beep, LED

## Reading distance (DOF)

Depth of Field 1D:	0mm to 255mm
Depth of Field QRCode:	0mm to 220mm

5 mil Code 39 (3 chars):	10 – 60 mm
13 mil UPC (6 chars):	0 – 170 mm
20 mil Code 39 (1 char):	0 – 255 mm
10 mil QR (20 chars):	0 – 95 mm
20 mil QR (20 chars):	0 – 220 mm

\* = dependents on width, type and quality of barcode.

## Symbologies

1D: UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5 (Discrete 2 of 5), Matrix 2 of 5, Codabar (NW7), Code 128, UCC/EAN 128, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, China Post, China Finance, Telepen, GS1 DataBar (formerly RSS) variants.

2D: QR Code, DataMatrix

## Power Source

Operation Voltage	5 DC ± 0.25 V
Power:	Working: 420 mA Standby: 90 mA

## Enclosure

Scanner dimension	157mm x 93mm x 95mm (H x W x D)
Cable	2.0m straight USB cable
Scanner weight	287g (without cable)

## Environmental

Mechanical Shock	1.5m onto concrete*
IP Rate	IP50
Operating Temperature	-20°C to 55°C
Storage Temperature	-20°C to 75°C
Relative Humidity	5% to 95% non-condensing

\* = Tested 30 times

## Operation modes

Auto-detection Mode / Trigger Mode

## Connectivity

Interface	USB/HID (USB/SPP; OPOS*)
	* = Additional software driver needed.

## Safety & EMC

EMC:	EN55022, EN55024
Electrical:	EN60950-1
Photobiological:	EN62471:2008

## Regulator approvals

CE

## Warranty

5 Years scanner head only\*  
1 Year USB cable



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Unitech America

Unitech Asia Pacific

Unitech China

Unitech Europe

Unitech Japan

Unitech Taiwan

\* Warranty: Unitech reserves the right to call back the defect units at her discrete sole decision if Unitech may find it necessary. Upon the calling, the returning shipping cost will be borne by Unitech except tax and duty if any. Unitech has full decision to stop the warranty coverage before expiration if the defect is found due to abused, sabotage, and/or caused by the acts of God Specifications subject to change without notice.

\* NO Hassle Warranty: In case of defect during its valid warranty period, customer can simply register the defect symptom and serial number of the unit at Unitech portal. Unitech's logistic partner or service centre will send a replacement unit to the customer. The customer does not need to return the defect unit\*.