



# PS800 2D on-counter

## High performance at affordable price!

The Unitech PS800 is the ideal on-counter imager for retailers that require high performance in a compact design. Supporting all common 1D and 2D barcodes, the PS800 can be used in a wide variety of markets and applications such as retail, point-of sale, pharmacy, hospitality at affordable price!

### The ideal solution for retail, point-of-sale, pharmacy, hospitality applications:

- Point-of-Sale
- Loyalty Card
- Mobile Coupon
- Administration / information service
- Check-in / Check-out
- Personal identification
- Document tracking

### 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 PS800 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 PS800 is designed with an ergonomic finishing grip, suitable for handheld operation (trigger mode).

### High performance on-counter scanning

Besides reading all common 1D and 2D barcodes, this on-counter scanner is also able to scan digital mobile barcodes (including QR codes) from various types of displays to enhance service levels, without losing scanning quality or performance.

Featuring a rugged design, the PS800 on-counter scanner is IP50 rated for environmental protection and has a high 1.5 m drop specification, making the scanner durable.

**“PS800 is available in USB/HID, USB/SPP and also supports OPOS protocol.”**

### Main Features

- High performance on-counter imager with 5 years warranty\* at competitive price!
- Support wide variety of 1D and 2D symbologies
- Versatile scanning mode to meet different working environment needs
- Reads digital barcodes displayed on the screen of a mobile phone, tablet or computer (incl. QR code)
- Fast and accurate scan, ergonomic design and easily for holding during handheld operation.
- Rugged and durable design with IP50 and 1.5m drops
- Compact design - fitting most confined spaces
- Cost-efficient investment



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# v2.1 PS800 Specifications

## Operational & Performance

|               |                                |
|---------------|--------------------------------|
| Technology    | 2D imager, 1280 x 800 pixels   |
| Light level   | Max 100.000 LUX                |
| Scan Skew     | ± 70°                          |
| Scan Pitch    | ± 70°                          |
| Scan Roll     | 360°                           |
| Field of view | Horizontal 64°<br>Vertical 44° |
| Indicator     | Beep, LED                      |

## Reading distance (DOF)

Depth of Field

|                            |            |
|----------------------------|------------|
| 5 mil Code 39 (3 chars):   | 5 – 55 mm  |
| 13 mil UPC (6 chars):      | 0 – 150 mm |
| 20 mil Code 39 (1 char):   | 0 – 230 mm |
| 6.7 mil PDF417 (20 chars): | 15 – 60 mm |
| 10 mil QR (20 chars):      | 0 – 40 mm  |
| 20 mil QR (20 chars):      | 0 – 150 mm |

\* = depends 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, 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, GS1 Data Bar (formerly RSS) variants.

2D: PDF417, QR Code, DataMatrix, Stacked GS1 Databar, Micro QR code, Chinese Hanxin Code, Aztec, MicroPDF417\*

\* = Update specific firmware required to support it.

## Power Source

|                   |                                    |
|-------------------|------------------------------------|
| Operation Voltage | 5 DC ± 0.25 V                      |
| Power:            | Working: 255 mA<br>Standby: 110 mA |

## Unitech Europe

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## Enclosure

|                   |                                    |
|-------------------|------------------------------------|
| Scanner dimension | 157mm x 93mm x 95mm<br>(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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\* 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\*.

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