

YJ4600 | Area Imaging Scanner

The YJ4600 is a general purpose area imaging scanner targeting middle to low segments of the 2D bar code scanning market. With competitive pricing, outstanding performance, ergonomic design and optimum functionality, YJ4600 meets the demands of a wide variety of applications. If you are looking for a cost effective but high performance area imaging scanner, the YJ4600 will be your ideal choice.

Nowdays 2D barcodes are used in many industrial applications and are becoming increasingly popular. From patient wrist band to manufacturing assembly line, from mobile coupons to airline boarding pass, 2D bar codes can be found in almost every facet of our lives. To read these 2D bar codes, an area-imaging scanner is needed.

Although many enterprises have realized the importance of imaging technology, the cost of most 2D scanners remain high. Many users find themselves caught between limited budgets and a need of upgrading their scanner technology to a 2D platform in the near future. Additionally, savvy purchasers are looking for a cost-effective scanning solution that can read 2D bar codes both on traditional paper and on new electronic media, such as mobile screen.

The YJ4600 2D imaging scanner provides an affordable solution for enterprises who wish to upgrade their equipment. Not only does it accurately and quickly read both 1D and 2D barcodes, it also seamlessly captures barcodes on electronic screens (such as mobile phone) and provides an effective data acquisition tool for e-coupons and e-tickets. With advanced imaging and decode technology, the YJ4600 has a superior first-pass read rate on poorly printed and low quality codes. The product is an ideal choice for a wide variety of applications, including airline transportation, banking and securities, e-tickets, and many more.



Features

- **Cost-effective:** Outstanding 2D bar code scanning performance at a competitive pricing
- **Compact, lightweight, user-friendly design:** fast and accurate scanning, elegant and ergonomic design allows for a natural and comfortable grip
- **Versatile scanning modes:** supports both manual and presentation scanning mode with automatic object detection and scanning
- **Advanced decoding software:** cutting-edge decoding technology, able to scan both 1D and 2D barcodes fast and accurately
- **Reliable data capture ability:** supports most standard 1D and mainstream 2D symbology, as well as those on electronic screens (such as mobile phones)
- **Future-proof investment:** protects your future investment with 2D capability at an affordable price meeting both current and future barcode scanning needs

YJ4600 Technical Specifications

Mechanical

Dimensions (length x width x height): 170mm x 66mm x 85mm

Weight: 120g

Electrical

Input Voltage: 4 ~ 5.5 V DC

Operating Power: 2W; 400 mA @ 5V - typical

Standby Power: 0.45w, 90mA@ 5V - typical

DC Power: Class2; 5.2VDC@1°

EMC: EN55022, EN55024 class B

LED Safety Certification: IEC62471

CB: IEC60950

Comprehensive Certification: GOST-R (Russia), CE

Environmental

Operating Temperature: 0°C - 40°C

Storage Temperature: -40°C - 60°C

Humidity: 5% - 95% relative humidity, non-condensing

Light Levels: 0 - 100,000LUX

Drop: designed to withstand falls from a height of up to 1.0m

Environmental Sealing: Sealed to resist airborne particulate contaminants

IP Level: IP40

Motion Tolerance: 100mm per second, 13 mil UPC

Performance

Light Source: white LED

Sight: Red LED, 617nm

Visual Indicators: Green = decoding successful; Red = decoding failed

System Interface: KBW, USB

Scan Pattern: Image

Scan Angle: Pitch $\pm 70^\circ$, Tilt $\pm 60^\circ$, Rotation $\pm 180^\circ$

Print Contrast: Minimum 35% contrast

Decoding: supports most standard 1D and mainstream 2D symbology, as well as those on electronic screens (such as mobile phones)



Typical Performance*

Narrow Width	Depth of Field
5 mil Code39	33 - 95 mm (1.3 - 3.7 in.)
13 mil UPC-A	32 - 255 mm (1.3 - 10.0 in.)
20 mil Code 39	35 - 355 mm (1.4 - 14.0 in.)
6.7 mil PDF417	30 - 95 mm (1.2 - 3.7 in.)
10mil Data Matrix	30 - 100 mm (1.2 - 3.9 in.)
15mil Data Matrix	21 -162 mm (0.8 -6.4 in.)
20mil QR	23 -200 mm (0.9 -7.9 in.)

Resolution: 4 mil

*Performance may be impacted by bar code quality and environmental conditions

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