The DS6400 has been specifically designed to satisfy the needs of various AutoID applications in Manufacturing and Logistics applications. The DS6400 is based on the same concept of the DS6300 and DS6500, with built-in connectivity to Ethernet, Devicenet, and Profibus.

Modularity and flexibility of the DS6400 are based on an innovative mechanical design with the scanner separated in two parts: the reading head and decoder base. As a result, it is possible to insert the encoder in the ideal position by simply rotating the head/base position ("Step-A-Head").

The DS6400 is offered both in linear and integrated Oscillating Mirror (OM) versions, which are fully SW controlled. The DS6400 has the same decoder base as the DS6300, with built-in connectivity to Ethernet, Devicenet, and Profibus.

With the GENIUS™ program, it's easy to setup the scanner and to perform functions such as remote control and SW updates on any slave scanner of the cluster by simply connecting the Master.

"FLASH™" dynamic focus system
> Totally SW controlled
> Reading range from 300 to 2500 mm
> Advanced decoder with code reconstruction capability (ACR™4)
> Displays and keyboard
> GENIUS™ SW configurator
> Unattended Scanning Systems
> Electric Connectors
>有效性
>配置
>不需维护
>显示和键盘
>高级解码器
>自动配置软件
>以太网/Devicenet/Profibus
>无维护扫描系统
>电连接器

General Description

www.automation.datalogic.com
DS6400 High Performance Laser Scanner

ELECTRICAL CHARACTERISTICS

POWER SUPPLY 15 to 30 Vdc
POWER CONSUMPTION 15 W max.

MECHANICAL CHARACTERISTICS

DIMENSIONS 113 x 110 x 99 mm (4.45 x 4.33 x 3.90 in.);
Integrated OM version: 180 x 113 x 99 mm (7.09 x 4.45 x 3.90 in.)
WEIGHT Linear version: 1.4 kg. (3 lb);
Integrated OM version: 2 kg. (4 lb 8 oz)
CASE MATERIAL Aluminium

PERFORMANCE

LIGHT SOURCE Visible Laser Diode (650 nm)
MAX. RESOLUTION 0.2 mm (8 mils)
SCAN RATE 600 to 1,200 scan/s (SW... RS232 / RS485 (20 mA C.L. optional)
OTHER AVAILABLE INTERFACES Lonworks (Master/Slave), Ethernet, Devicenet, Profibus

BAUD RATE 1,200 to 115,200 bauds
INPUT SIGNAL 'Presence sensor' plus 3 auxiliary digital inputs
OUTPUT SIGNALS 3 SW... 'TX data'
LASER CLASSIFICATION IEC 825 Class 2
LASER CONTROL Security system to turn laser OFF in case of motor slow down

ENVIRONMENT

OPERATING TEMPERATURE 0 to 40 °C (32 to 104 °F)
STORAGE TEMPERATURE -20 to 70 °C (-4 to 158 °F)
PROTECTION CLASS IP64 for standard models; IP65 on request

Reading Diagrams

Specifications

Unattended Scanning Systems