

JS-20 X3 Scan Head

Product Specifications

General

Dimensions	31" x 5" x 5"
Weight	18 lbs
Laser Type	Pulsed, Class IIIa
Laser Color	Visible red
User Interface	PC
Data Interface	10/100BaseT Ethernet

System Performance

Depth of View	36" to 96"
Field of View	19" @ 36" standoff 48" @ 96" standoff
Accuracy	+/- 0.030" @ 36" standoff +/- 0.100" @ 96" standoff
Scan Rate	Up to 90 profiles/sec/laser
Data Density	12 points/inch at 36" standoff 5 points/inch at 96" standoff
Number of Data Points	Up to 243

Environmental

Operating Temp	-20° to 50°C (0° to 120°F)
Lighting	Fully operational between indoor lighting (no sunlight) & complete darkness

Power Supply

Voltage Range	20 - 28VDC
Max Current	0.35A @ 24VDC
Voltage Ripple	< 5Vpp

Quadrature Encoder/Start Scan Inputs

Primary Signaling Standard	RS-422 differential
Alternate Signaling	Open collector on '+' channel (+ channels have built-in 2k pull-up to 5V)
Input Voltage Range	0 - 5VDC
Max Encoder Rate	100,000 pulses per second (differential)

PC Requirements

The diagnostic and calibration software (JSdiag) will run on any operating system with Java® 1.5 installed, including Microsoft® Windows®, Mac OS® X, Linux®, Oracle® Solaris and others.

Optional Accessories

JS-20 Control Cable (iCONN Systems waterproof 8-wire connector)

LTW Sealed Ethernet Cable

Mount Kit

iCONN Systems Waterproof Connector

Wire Color	Pin	Function
White	1	Encoder B -
Green	2	Encoder B +
White/Black	3	Start Scan -
White/Red	4	Start Scan +
White/Yellow	5	Encoder A -
White/Green	6	Encoder A +
Black	7	Ground
Red	8	+24VDC

Warranty/Support

5-year product warranty (free repair or replacement of defective products)

10-year product support policy



Illustrations, descriptions and technical specifications are not binding and are subject to change without notice.

JoeScan, Inc.
4510 NE 68th Drive, Suite 124
Vancouver, WA 98661 USA
Tel: +1.360.993.0069
sales@joescan.com
www.joescan.com

JoeScan