

# JS-20 SX Scan Head

## Product Specifications

### General

Dimensions	21" x 5" x 5"
Weight	12 lbs
Laser Type	Pulsed, Class IIIa
Laser Color	Visible red
User Interface	PC
Data Interface	10/100BaseT Ethernet

### System Performance

Depth of View	20" to 60"
Field of View	10" @ 20" standoff 32" @ 60" standoff
Accuracy	+/- 0.025" @ 20" standoff +/- 0.040" @ 60" standoff
Scan Rate	Up to 275 profiles/sec
Data Density	20 points/inch at 20" standoff 7.5 points/inch at 60" 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.

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