

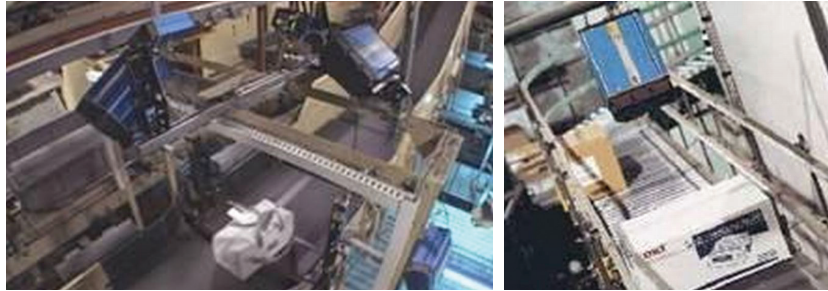
Model 24 Series II



Features and Benefits

- > Communications options include Ethernet, Profibus, DeviceNet, and more
- > Power to process near-zero package spacing and multiple bar codes per package at high conveyor speeds
- > Custom configuration allows for more than 3000 scans per second
- > Windows®-based configuration software helps get your scanner on line fast
- > Integrated mounting features accept industry-standard hardware for quick installation

Accu-Sort's redesigned Model 24 Series II scanner offers innovative, reliable solutions for your fixed scanning needs.



Overview

The Model 24 Series II, Accu-Sort's high performance, long-range line scanner, rounds out the top end of our Model 20 line scanner family. It offers the highest performance available in a line scanner. With high scan rates, large read ranges and advanced decoding technology, the Model 24 Series II can handle almost any line scanning application.

The Model 24 Series II is designed to be compatible with various communications protocols, including Ethernet, Profibus, and DeviceNet.

A wide scan angle coupled with powerful A/D circuitry provides an extremely large performance envelope for any bar code. The advanced DSP decoder logic board uses Accu-Sort's patented DRX® technology to eliminate the need for linear scanning.

Our Windows®-based configuration software simplifies setup, getting you up and running faster than ever. The Model 24 Series II has a rugged, NEMA 12-rated extruded aluminum body, with all optical components sealed and separated from the fan-cooled electronics.

The body's integral slots accept industry-standard hardware. This, along with the unit's small size and light weight, simplifies mounting.

The Model 24 Series II has a flexible design for integration into a wide range of systems. Input connectors supporting a wide range of devices allow the Model 24 Series II to install into existing environments with few changes. Two solid-state internal relays are available for NVC, Go Relay, Life Light, Error Light or custom outputs, and diagnostic LEDs provide for at-a-glance checks on the status of the unit.

Options: three-zone focusing, raster mirror wheel, 12- and 18-sided mirror wheels for high-speed scanning, an external relay box with industry-standard I/O modules, a remote display, and an internal heater for extremely cold environments.

Typical applications include:

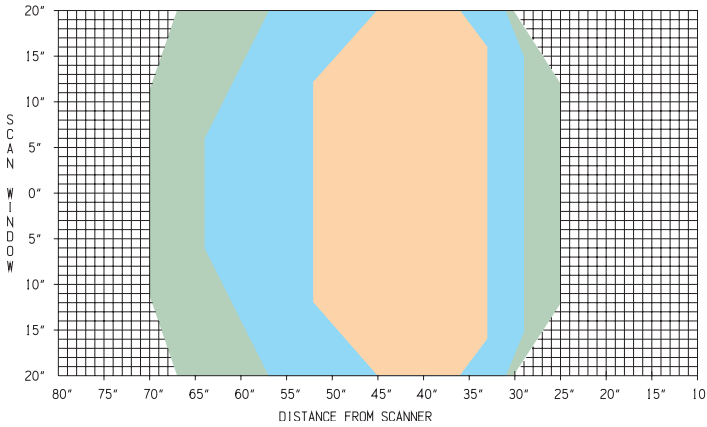
- Carton sortation and material handling systems
- Airport/shipping scan tunnels
- Package content verification and counting
- Automatic production tracking

Photo captions: (TOP LEFT) The Model 24 II. (TOP RIGHT) Model 24 II in two application configurations, Airline baggage array and warehouse distribution.

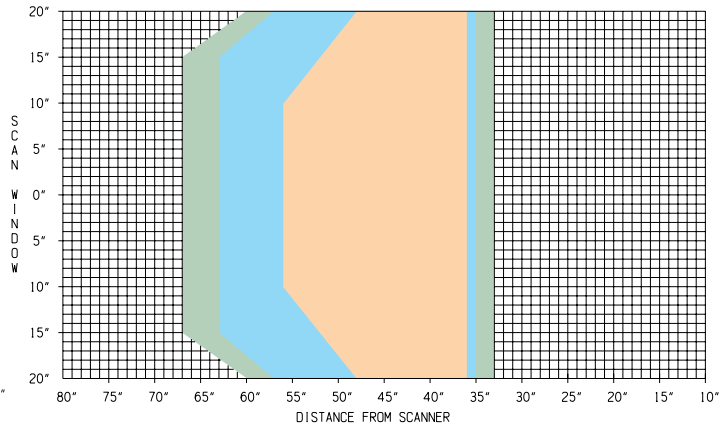
Model 24 Series II

Chart Colors	Narrow Element Width	Reading Range	Depth Of Field	Maximum Scan Window
Orange	15.0 mil (.38mm)	33° - 52° (838 - 1321mm)	19" (483mm)	40" (1016mm)@36" (914mm)
Blue	20.0 mil (.50mm)	29° - 64° (737 - 1626mm)	35" (889mm)	40" (1016mm)@31" (787mm)
Green	25.0 mil (.63mm)	25° - 70° (635 - 1787mm)	45" (1143mm)	40" (1016mm)@51" (762mm)

Chart Colors	Narrow Element Width	Reading Range	Depth Of Field	Maximum Scan Window
Orange	15.0 mil (.38mm)	36° - 56° (914 - 1422mm)	20" (508mm)	40" (1016mm)@36" (914mm)
Blue	20.0 mil (.50mm)	35° - 63° (889 - 1600mm)	28" (711mm)	40" (1016mm)@35" (889mm)
Green	25.0 mil (.63mm)	33° - 67° (838 - 1701mm)	34" (863mm)	40" (1016mm)@33" (838mm)



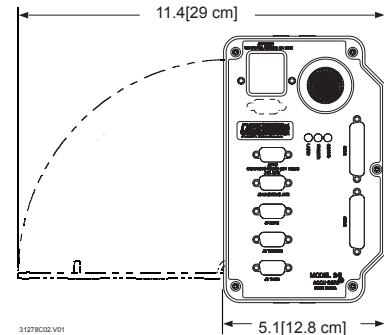
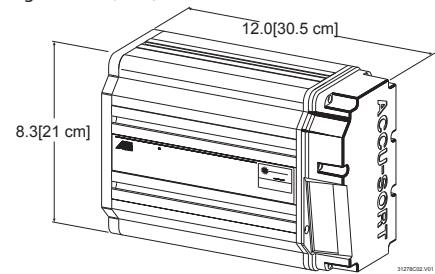
45" Focal Point No Tilt With Clamp Board Read Chart



Standard Configuration (SC1) Read Chart

Product Specifications

Scan Rate:	300-3000 scans per second
Depth of Field	See read charts (application and code dependent)
Laser Type:	650 nm laser diode
Visual Diagnostics:	Trigger Laser on GO/NVC (only on 24i)
Bar Code Types:	All standard 1D symbologies
Connectors:	4 Serial ports 1 I/O port 1 Master/Slave (24i)/ External Logic (24e) 1 Zone input 1 Trigger input 1 Tachometer input
Communications:	Ports: RS-232 (up to 115200 bps) RS-422 RS-485 Multidrop Current Loop Options: DeviceNet Profibus Ethernet
Outputs:	NVC GO Life Light Error Light
Temperature Range:	32°-122°F (0°-50°C)
Relative Humidity:	10%-90% non-condensing
Enclosure:	NEMA 12 (IP 54)
Approvals:	UL, cUL, FCC, CDRH Class II
Power:	100-240VAC, 50/60 Hz, 20 Watts
Size:	Length - 12.0 [30.5 cm] Width - 5.1 [12.8 cm] Height - 8.3 [21 cm] Weight - 13 lb [5.89 kg]
Options:	Mirror wheel: 12 or 18 sided, Dual focus, 1 @20 raster Internal logic (24i) External logic (24e) Internal heater Two- or three-zone focus (mechanical)
Service Options:	Installation assistance and on-site training
Warranty:	1-year limited, parts and labor



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For more information about bar code scanners and material handling solutions from Accu-Sort Systems, contact us at:

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