

CUBISCAN 210-L

IN-MOTION PARCEL DIMENSIONING



PRODUCT DESCRIPTION

The Cubiscan 210-L is an overhead dimensioning sensor designed to measure objects over a moving conveyor belt. The 210-L can be used in conjunction with barcode scanning and in-motion scales, or as a standalone unit to capture dimensional data in a compact yet high resolution solution.

Typical applicaitons include:

Shipping:

- Carton and package dimensioning
- Inline shipping and manifest
- Integration to various DWS solutions (dimensional weighing system)

Receiving and Putaway:

- SKU capture of packagin, unpackaged/raw items
- Pass/fail integration to ASRS and pick modules to flag 'over-maximum' sizes

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PHYSICAL SPECIFICATIONS

Length: Variable, based on custom frame design

Width: Variable, based on custom frame design

Height: Variable, based on custom frame design

MEASURING CAPABILITIES

Minimum object size (L x W x H)	2 x 2 x 2 in (50 x 50 x 50 mm)
Maximum object size (L x W x H)	120 x 48 x 36 in (3000 x 1200 x 760 mm), or 120 x 40 x 38 in (3000 x 1000 x 960 mm)
Dimensional increment (L x W x H)	up to 393.7 fpm (2 mps); .2 in (5 mm)
Minimum conveyor speed	10 fpm (0.05 mps)
Maximum conveyor speed	393 fpm (2 mps)
Object interval	Greater or equal to 2 in (50 mm)
Object type/color	Cuboidal and irregular/limitations with some dark colors
Useful field of view	Maximum 60 degrees

OTHER

Sensor type	Laser triangulation
Optical indicators	Touchscreen NMI
Host interfaces	Ethernet TCP/IP, RS-232 (Optional: Ethernet/IP, MODBUS, PROFINET)
Laser diode (wavelength)	Visible light. Laser Class 2, 3R (red, 660nm)
Laser power	Max. 7.5 mW
Laser class of the device	Class 2 (complies with 21 CFR 1040. 10 with exception of the deviations per Laster Notice #50, 07/26/2001)
Encloser rating/protection class	IP 20 (according to DIN 40050); with plug cover IP 65
Housing	Gasketed aluminum enclosure, IP67
Output data	Maximum dimensions (length, width, height). Cuboidal volume, surface volume. Height map, B&W image. Many other measurement tools based on applicaiton.
EMS test	In compliance with EN 61000-6-2:2001, EN 616000-6-4:2001
Operating voltage/power consumption	24-48V DC +/- 10% max. 13W
Vibration shock test	Vibration Resistance 10 to 55 Hz, 1.5 mm double aplitude in X, Y, and Z directions, 2 hours per direction. Shock Resistance: 15 g, half sine wave, 11 ms, positive and negative for X, Y, and Z directions.
Temperature (operation/storage)	32° to 122° F / -22° to 158° F (0° to 50° C / -30° to 70° C)