

# CubiScan<sup>®</sup> 1000-VS

## *Applications/Benefits*

- Dimensions freight instantly and accurately
- Provides actual volume or cubic volume (the tallest, widest, and deepest dimensions of object being measured)
- Compatible with load planning and optimization software packages

### *Freight Manifesting / Auditing Applications*

- With an optional scale, capture dimensional and reweigh data simultaneously
- Handles multi-piece, single piece, palletized, or non-palletized shipments
- Features innovative QBIT<sup>™</sup> interface software that allows multiple air bills to be open at one time—including both single and multi-piece shipments
- Includes dimensional tare and weight tare for net versus gross calculations (i.e., can subtract pallet)
- Offers user definable dim-factors which can be calculated in imperial, metric, or any combination
- Can be equipped with or without optional floor-mounted deck scale
- Interfaces conveniently with computer-based manifesting systems

### *More Highlights*

- Features an overhead readout that instantly displays dimensions, dim-weight, and actual weight
- Can be used with Qbit<sup>™</sup> PC interface software
- Control the CubiScan directly from your own host warehouse/shipping system
- Protects data integrity
- Interfaces directly with bar code scanning and scale equipment
- Uses sensing technology that is safe for both operators and package contents
- Mounted to a facility's ceiling allowing for 360 degree access to the floor scale
- System cannot be damaged by forklifts or any other operational equipment
- Occupies no additional floor space so facility operations are not compromised





# CubiScan 1000-VS

## Specifications

### Physical Specifications

Length	19 ft 8.2 in (6.000 m)
Width	8.2 in (0.208 m)
Height	10.0 in (0.254 m)
Weight	60 lbs (27 kg)

### Performance Specifications

Camera Height	13 ft 7 in (4.140 m)	15 ft 7 in (4.750 m)
Floor Target Size	9 ft 6 in x 11 ft 4 in (2.896 x 3.454 m)	10 ft 0 in x 13 ft 0 in (3.048 x 3.962 m)
Length Capacity	6 ft 0 in (1.829 m)	6 ft 0 in (1.829 m)
Width Capacity	6 ft 0 in (1.829 m)	6 ft 0 in (1.829 m)
Height Capacity	6 ft 0 in (1.829 m)	8 ft 0 in (2.439 m)
Measurement Increment	1 in (25 mm)	1 in (25 mm)

### Other

Measuring Sensor	Class II laser, CCD camera
Connectivity	1 - EIA RS232-C, bi-directional serial port 10BaseT 10 Mbps Ethernet port
User Interface(s)	Integrated display & keypad / QBIT™ Software
Data Output	ASCII
Power Requirements	95 - 240 VAC, 47 - 63 Hz, single phase
Operating Temperature	40° - 104° F (5° - 40° C)
Humidity	0 - 90% non-condensing

Note: All specifications subject to change without notice



EMI Compliance:  
FCC, Industry Canada and CISPR 22 Class A

FDA:  
Complies with 21CFR 104.10

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CubiScan® products incorporate technology protected by one or more of U.S. Patents 5,042,015, 5,105,392, 5,422,861, 5,606,534, 5,220,536, 5,636,028, 5,850,370, 6,049,836, 6,064,629, 6,298,009, 6,611,787, 6,850,464, 7,277,187 and D490,328 and corresponding international patents. Other U.S. and international patents are pending.

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The **CubiScan 1000-VS** is a ceiling-mounted, static dimension-scanning device which can work in conjunction with a heavy capacity floor scale. Its ceiling-mounted configuration maximizes efficiency by allowing 360 degree access to the measurement area. As well, it removes the sensing equipment from harm's way and does not take up valuable floor space dedicated for operations and freight staging.

The CubiScan 1000-VS utilizes advanced laser (FDA class II) and camera-based sensing technology—both of which are safe for operators and freight. It has a measurement range of 1 cubic foot to 6 x 6 x 8 feet (1.8 x 1.8 x 2.4 m) and a measurement resolution of 1 inch (25mm). Larger, customized versions of the system are possible.

With a PC and Quantronix' Qbit™ interface software, the CubiScan 1000-VS can process multi-piece shipments (having parcels of the same or random sizes), initiate parcel tracking tasks, and prepare the collected dimensional and weight data to be transferred to the customer's data processing system where appropriate dimension-based shipping charges can be applied. The system can be programmed to work with a wide variety of floor scale digital display units. Bar code label scanning and printing devices can also be used with the 1000-VS to create a turnkey cubing, weighing, and tracking workstation.



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