Overview

The Orbit 7190g scanner continues the proven, superior 1D laser scanning performance of Orbit series scanners – but adds an area imager for seamless scanning of digital 1D, 2D and PDF codes in a single, convenient device. To speed retail checkouts, the Orbit 7190g scanner features a unique dual-modes design that is optimized for both the cashier and the customer – enabling seamless product barcode scanning and scanning of digital codes off customer smartphones.



Specifications

MECHANICAL

Dimensions (L x W x H)   
108 mm x 103 mm x 148 mm (4.3 in x 4.1 in x 5.8 in)

Weight   
410 g (14.5 oz)

ENVIRONMENTAL

Storage Temperature   
-40°C to 60°C (-40°F to 140°F)

Operating Temperature   
0°C to 40°C (32°F to 104°F)

Humidity   
5% to 95% relative humidity, non-condensing

Drop   
Designed to withstand 1.2 m (4 ft) drops

Environmental Sealing   
Sealed to resist airborne particulate contaminants

Light Levels  
Laser: 4842 Lux  
Imager: 100000 Lux

ELECTRICAL

Input Voltage   
5 VDC ±0.25 V

Operating Power   
472 mA @ 5 V

Standby Power   
255 mA @ 5 V

Host System Interfaces   
USB, RS-232, Keyboard Wedge, IBM468xx (RS485)

EAS Features   
EAS with interlock and integrated RF EAS antenna (EAS model)

SCAN PERFORMANCE

Scan Pattern   
Hybrid, Omnidirectional Laser (5 fields of 4 parallel lines) and Area Imager (640 x 480 pixel array)

Scan Speed  
Omnidirectional: 1120 scan lines per second  
FPS: 30

Scan Angle (Imager)  
Horizontal: 40.0°  
Vertical: 30.5°

Symbol Contrast   
35% minimum reflectance difference

Pitch, Skew  
Laser: 60°, 60°  
Imager: 60°, 70°

Decode Capability  
Laser: Reads standard 1D, GS1 DataBar symbologies  
Imager: Reads standard 1D, PDF and 2D symbologies

Warranty   
Three-year factory warranty

 TYPICAL PERFORMANCE\*

LASER  
5 MIL CODE 39: 0 mm – 50 mm (0 in – 2.0 in)  
7.5 MIL CODE 39: 0 mm – 150 mm (0 in – 5.9 in)  
10 MIL CODE 39: 0 mm – 220 mm (0 in – 8.7 in)  
13 MIL UPC: 0 mm – 275 mm (0 in – 10.8 in)  
26 MIL UPC-E: 0 mm – 300 mm (0 in – 11.8 in)

IMAGER  
5 MIL CODE 39: 0 mm – 70 mm (0 in – 2.8 in)  
13 MIL UPC: 0 mm – 245 mm (0 in – 9.6 in)  
6.7 MIL PDF417: 0 mm – 70 mm (0 in – 2.8 in)  
10 MIL DATAMATRIX: 0 mm – 75 mm (0 in – 3.0 in)  
20 MIL QR: 0 mm – 200 mm (0 in – 7.9 in)  
20 MIL C39: 0 mm – 327 mm (0 in – 12.9 in)

RESOLUTION   
Laser: 5 mil; Imager: 1D: 4mil, 2D: 6.7 mil

*\* Performance may be impacted by barcode quality and environmental conditions.*