

## 2D

OCBS-F3100 / F4100

OCBS

Engine: 31.7mm L x 12.2mm H x 12mm D;  
Decode board: 38mm L x 19mm W x 7.5mm D;  
Aimer: 617 nm LED  
625 nm LED;  
39° H x 25° V;  
0 - 360°;  
±65°;  
±60°;  
25% minimum reflective difference;  
OCBS-F4100  
OCBS-F3100 &

### Spec Chart

#### Physical Characteristics

Dimensions:	Engine: 31.7mm L x 12.2mm H x 12mm D Decode board: 38mm L x 19mm W x 7.5mm D
Weight (w/o cable):	10g
Power:	5 VDC ± 10% @ 260 mA

#### Performance Characteristics

Light Source:	Aimer: 617 nm LED Illumination: 625 nm LEDs
Field of View:	39° (H) x 25° (V)
Roll:	0 - 360°
Pitch:	± 65° or greater
Yaw:	± 60° or greater
Print Contrast:	25% minimum reflective difference

## Symbology Decode Capability

1D: UPC/EAN, UPC/EAN with supplementals, ISSN, BooklandEAN, UCC Coupon Extended Code, Code128, GS1-128, ISBT 128, Code 39 Full, ASCII, Code93, Code11, Matrix 2 of 5, Code 32, Interleaved 2 of 5, Code 39, Trioptic Code 39, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, GS1 DataBar, ISBT Concat Korean 3 of 5, Variants

2D: PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec

Motion Tolerances: Up to 25 in. / 63.5 cm per second

Interfaces Supported: USB: HID Keyboard (default mode),  
COM Port Emulation

RS232: Standard

Minimum Resolution: -SR: Code 39 4.8mil, UPC 60% 5 mil,  
PDF417 5 mil, Datamatrix 7.5 mil

-HD: Code 39 3 mil, UPC 60% 5 mil,  
PDF417 4 mil, Datamatrix 4.8 mil

Power Supplies: Power supplies are available for applications that do not supply power over the host cable.

## REGULATORY

Electrical Safety: UL60950-1 2nd ed, CSA C22.2 No. 60950-1 2nd ed,  
EN60950-1/IEC60950-1 2nd ed.

LED Safety: IEC/EN60825-1:2001, IEC/EN62471:2006

EMI/RFI: FCC Part 15 Class B, ICES-003 Class B,  
EN55022 Class B, EN55024

Environmental: Compliant with RoHS directive 2002/95/EEC

## WARRANTY

Subject to the terms of OCOM 's hardware warranty statement, the 3100 is warranted against defects in workmanship and materials for a period of 1 years from the date of shipment. For the complete OCOM hardware product. warranty statement, go to: <http://www.ocominc.com>

## User Environment

- Operating Temp:                0° C to 55° C  
 Storage Temp:                -40° C to 60° C  
 Humidity:                      5% to 95%, non-condensing  
 Drop Spec:                    Withstands multiple 6 ft. drops to concrete  
 Ambient Light:               Immune to normal indoor lighting up to 1600 Lux.  
 Immunity:                     Immune to sunlight up to 86,000 Lux.

## Accessories

### Interface board and cable

Item #	Description				
	Quantity	Weight (g)	Volume (cc)	Length (mm)	Width (mm)
39	5.0	0	90	60	130
100 UPCA	13.0	5	180	30	300
39	20.0	5	250	35	350
PDF 417	6.8	0	85	40	150
	10.0	0	70	50	130
	20.0	0	180	25	250
1D 39	3 0.076			5 0.127	
2D	5 0.127			6.7 0.170	

\*Dimensions in mm

