

Barcode Scanning



WORKING

- Waterproof to IP67 Standards
- CompactFlash®
 Memory Expansion*
- Long Battery Life
- ▶ Palm Powered™



Laser Model

CCD Model





ID::VERIFI™ BARCODE SCANNING SPECIFICATIONS

Handheld Specs

Description **Specification**

Operating System	Palm OS® 4.1 (Up grade able to 4.x)
Microprocessor	33 MHz Motorola DragonBall-VZ
Memory	
Volatile	16 MB SDRAM (15.7 MB available to user)
Non - Volatile	4 MB Flash (2 MB available to user)
Expansion	via MZIO™ Expansion Slot
	- supports multiple formats
LCD Display	
Туре	FSTN (TDF) 4 bit grayscale
Resolution	160 x 160 pixels
Viewable Area	56 mm x 56 mm
Touch Screen	Analog Resistive
Backlight	Electro luminescent
Communications	
Handheld to PC	USB, Serial (RS232) and Infrared (IrDA)
Battery	
Туре	Custom rechargeable Lithium-Ion
Voltage	3.6V nominal
Capacity	1900mAh
Protection	Over charge, discharge and thermal
Charging	via cradle or communications cable input
Charging Current	1.2A (maximum)
Charging Input Voltage	9V DC nominal - only use charger supplied
Mechanical	
Dimensions (L x W x H)	180mm x 95mm x 38mm
Weight	468 grams
Current Consumption	
Power On	21 mA typical (add 40mA with backlight on)
Full System (while scanning)	180mA typical (add 40mA with backlight on)
Sleep Mode	1 to 2mA typical
Environmental	
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C
Humidity	5% to 90% relative humidity (non-condensing)
RFI / EMC	BS EN 55022/BS EN 55024, CISPR22/CISPR24
	- RF emissions & ESD immunity
F©	Part 15, Class B
(€	EU EMC Directive
Sealing	Waterproof to IP67
	Revision: 121304-1513

Model IDV-BCS1 Specs

Description **Specification**

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Scanner Module	
Light Source	630nm LED Lamp
Image Sensor	Linear CCD image sensor
Optical Scanning Rate	250 scans/sec x 2cycles
Decoding Rate	Real-time 500 scans/sec
Resolution	Min. 0.127mm (5mil)
PCS value	0.45 to 0.9 (background reflection > 70%)
Depth of field (16mil)	40mm to 140mm
Best front focus (5mil)	75mm
Scanning angle	40°
Pitch	$\alpha \pm 35^{\circ}$
Skew	βup and down 60°
Specula dead zone	β up and down 8°
Tilt	γ Counter clockwise 30°
Curvature (16mil)	EAN-8 : R ≥ 15mm, EAN-13 : R ≥ 20mm
Ambient Light	
White light	3000 lx
Fluorescent light	3000 lx
Sun light	80000 lx
	Pavinian: 001603 1604

Revision: 091603-1604

Model IDV-BCS2 Specs

Description **Specification**

Engine - Model: IS4120	
Light Source	Visible Laser Diode 650 ± 10 nm
Laser Power	0.800 mW (peak)
CDRH/IEC	Designed to be used in CDRH Class II and IEC
	Class 2 laser products - See label below
(9)	UL recognized component for Canada and USA
Operational	
Depth of Field, UPC 100%	12.7mm to 203.2mm for 0.33mm bar codes
Scan Speed	52 scan lines/sec minimum
Scan Pattern	Single scan line
Beam Focus	0.21mm ± 10% (at 3" from window)
Flipper Scan Angle	± 15° from 0 axis
Scan Width	114mm ± 13mm (at 152mm from flipper)
	22 mm ± 13mm (at 25mm from flipper)
Print Contrast	35 % minimum reflectance difference

Revision: 060304-0857

RUGGED :: PALM POWERED™ :: RELIABLE

The ID::VERIFI™ Barcode Scanner combines the **rugged** durability and computing performance of the Meazura™ platform with high end data capture technology. Featuring the choice of either a Laser or CCD Barcode Scanning Engine, the ID::VERIFI™ Barcode Scanner is an ideal solution for data capture activities that require consistent and accurate performance.

Based on the Meazura™ platform, which is sealed to IP67 Standards, the ID::VERIFI™ Barcode Scanner is the world's first, waterproof, $Palm\ Powered^{TM}$ Barcode Scanner. Asset managers, couriers, cattle farmers, mobile sales professionals, meter readers. These are just a sample of users that benefit from using the ID::VERIFITM Barcode Scanner.

For reliability, you can't beat the Palm OS®, found in over 36 million portable devices worldwide. The Palm OS® is recognized as the world leader for its reliability and ease of use.



ID::VERIFI™ Barcode Scanning Kit







IDV-BCS1 or IDV-BCS2 Comms Cable Handheld



(USB or Serial)



PC Software



AC Adaptor (For various countries)



Padded Holster



Desktop Cradle (USB or Serial)



Vehicle Charging



Handstrap

For more information visit http://www.aceeca.com or contact...



* CompactFlash® option available with IDV-BCS2 (Laser) model only.

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