/ DELFISCAN C91

IMAGING TECHNOLOGY

Designed with people in mind, the DelfiScan C91 imager stands out with an elegant and trendy design, unchallenged ergonomics and features the most advanced Megapixel sensor with white- illumination 2D technology for outstanding performance.

TOP TECHNOLOGIES FOR TODAY'S POS

Perfect for both hand held and presentation reading, the DelfiScan C91 imager exploits motion-sensing technology which detects the natural actions of the operator to automatically switch the scanner into the desired scanning mode. This technology works with or without the use of a stand, offering more operational choices. Both the aimer and sensor can be programmed to the user's desired preferences. It's distinctive reading technology with highly visible white-illumination is easier on the human eyes and reads colored labels better. The highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads, while the aimer's center cross provides a locator for targeted scanning in a multiple bar code environment.

SIMPLE TO USE AND DEPLOY

DelfiScan C91s omnidirectional imager provides snappy reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417.

For mobile marketing or ticketing applications, this imager also offers excellent performance when reading bar codes from mobile devices. The enhanced optics offer improved motion tolerance and high speed imaging to read fast moving codes.

FEATURES

- 1 MP optics for superior scanning and Depth of Field
- Distinctive technology with highly visible white-illumination and 4-Dot aimer with center cross for targeted scanning
- Patented 'Green Spot' technology and exclusive 3GL™ (3 Green Lights) for superior good-read feedback
- Motion-sensing technology for seamless reading mode transitions
- Omnidirectional reading
- Advanced motion tolerance optics
- Image capture and document scanning capabilities
- Reads 1D, 2D and postal codes plus stacked and composite codes
- Digital Watermarking and DPM reading on specific models/ applications
- Multi-interface options: USB-only or multi- interface RS-232 / USB / Keyboard Wedge
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI`

INDUSTRY-APPLICATIONS

- Retail - Point of Sale
- Light Manufacturing
- Healthcare: in laboratories, pharmacies and in-room patient care
- Access Control, Transportation and Entertainment
- Commercial Services: Postal, Banks, Public Administration, Utilities

Delfi TECHNOLOGIES

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TECHNICAL DATA:

DECODING CAPABILITY
1D / LINEAR CODES Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
2D CODES AAztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
POSTAL CODES Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
STACKED CODES EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites
DIGITAL WATERMARKING Digimarc Barcodes

ELECTRICAL
CURRENT Operating: <300 mA @ 5V; < 200 mA @ 12V
Standby/Idle: < 90 mA @ 5V; <50 mA @ 12V
INPUT VOLTAGE C91: 5 VDC GD4590: 4.5 - 14.0 VDC

ENVIRONMENTAL
AMBIENT LIGHT 0 - 100,000 lux
DROP RESISTANCE Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface.
ESD PROTECTION (AIR DISCHARGE) 16 kV
HUMIDITY (NON-CONDENSING) 5 - 95%
PARTICULATE AND WATER SEALING IP52
TEMPERATURE Operating: 0 to 50 °C / 32 to 122 °F
Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES
C91: RS-232 / IBM 46XX / USB Multi-Interface C91: RGD4520: USB only
C91: RS-232 / USB / Keyboard Wedge Multi- Interface

PHYSICAL CHARACTERISTICS
COLORS AVAILABLE Black; White
DIMENSIONS 16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in
WEIGHT 161.0 g / 5.7 oz

READING PERFORMANCE
IMAGE CAPTURE Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
IMAGER SENSOR 1 Megapixel: 1280 x 800 pixels
LIGHT SOURCE Aiming: Red Laser 650 nm
Illumination: Warm White; Hyper Red LED for Digimarc
MOTION TOLERANCE 35 IPS
PRINT CONTRAST RATIO (MINIMUM) 15%

READING ANGLE Pitch: +/- 65°; Roll (Tilt): 360°; Skew (Yaw): +/- 65°
READING INDICATORS Beeper (Adjustable Tone); Three Green Lights (3GL) Good Read Feedback: 'Green Spot' on the Code, Dual Good Read LEDs
RESOLUTION (MAXIMUM) HHigh Density (HD): 1D Linear: 0.077 mm / 3 mils;
PDF417: 0.077 mm / 3 mils; Data Matrix: 0.102 mm / 4 mils
Standard Range (SR): 1D Linear: 0.102 mm / 4 mils; PDF417: 0.127 mm / 5 mils; Data Matrix: 0.195 mm / 7.5 mils

READING RANGES
TYPICAL DEPTH OF FIELD Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

C91 Standard Range (SR)
Code 39: 5 mils: 7.0 to 38.0 cm / 2.7 to 14.9 in
Code 39: 10 mils: 2.2 to 58.0 cm / 0.8 to 22.8 in
Data Matrix: 10 mils: 5.5 to 27.0 cm / 2.2 to 10.6 in
Data Matrix: 15 mils: 2.8 to 41.0 cm / 1.1 to 16.1 in
EAN-13: 13 mils: 1.0 to 71.0 cm / 0.4 to 27.9 in PDF417: 10 mils: 2.5 to 41.0 cm / 1.0 to 16.1 in QR Code: 10 mils: 5.5 to 24.0 cm / 2.2 to 9.5 in

C91 High Density (HD)
Code 39: 3 mils: 5.0 to 15.0 cm / 2.0 to 5.9 in
Code 39: 5 mils: 0.5 to 25.0 cm / 0.2 to 9.8 in
Data Matrix: 5 mils: 5.5 to 9.0 cm / 2.2 to 3.5 in
Data Matrix: 10 mils: 2.0 to 27.0 cm / 0.8 to 10.6 in
EAN-13: 7.5 mils: 2.0 to 23.5 cm / 0.8 to 9.3 in EAN-13: 13 mils: 1.0 to 40.0 cm / 0.4 to 15.7 in PDF417: 4 mils: 3.0 to 12.0 cm / 1.2 to 4.7 in PDF417: 10 mils: 0.5 to 31.0 cm / 0.2 to 12.2 in QR Code: 10 mils: 2.0 to 25.0 cm / 0.8 to 9.8 in

SAFETY & REGULATORY
AGENCY APPROVALS The product meets necessary safety and regulatory approvals for its intended use.
The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE Complies to China RoHS; Complies to EU RoHS
LASER CLASSIFICATION Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2
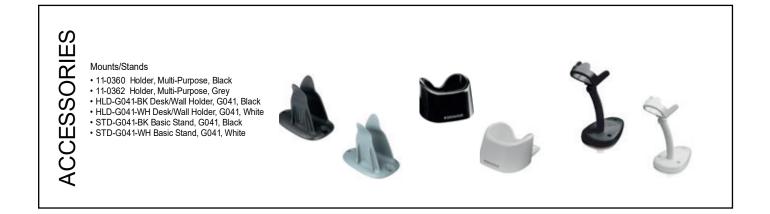
WARRANTY
WARRANTY 5-Year Factory Warranty

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ACCESSORIES

Mounts/Stands
- 11-0360 Holder, Multi-Purpose, Black
- 11-0362 Holder, Multi-Purpose, Grey
- HLD-G041-BK Desk/Wall Holder, G041, Black
- HLD-G041-WH Desk/Wall Holder, G041, White
- STD-G041-BK Basic Stand, G041, Black
- STD-G041-WH Basic Stand, G041, White

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