DSM04XX FIXED SCAN MODULE SPATALOGIC EMPOWER YOUR VISION





BIG PERFORMANCE IN A SMALL PACKAGE

The DSM04XX Fixed Scan Module is the solution you need for high performance fixed position scanning in a compact form factor. Available in WVGA and Megapixel models with different Field of View and Depth of Field. The Wide-Angle model is particularly useful for embedded applications where space is at a premium.

RUGGED CONSTRUCTION

The enclosure is constructed with high impact resin that is resistant to cleanings solvents and disinfectant solutions. IP54 particulate and water sealing allows rugged and dependable scanning performance.

SIMPLE INTEGRATION

The DSM04XX Fixed Scan Module provides simple electrical and mechanical integration for system designers. Included mounting hardware allows mounting from all sides of the device at any angle. Interface options include USB, RS-232 or multi-interface models allowing 'plug-and-play' installation perfect for integrators who must support multiple platforms and applications.

FEATURES

- · Wide range of models incorporating engines from the Halogen DE2X1X Family
- Highly visible 4-Dot aimer with center cross for targeted scanning
- Excellent Motion Tolerance
- Image capture and document scanning capabilities
- · Maximum resolution down to 2 mils
- Interface options of USB, RS-232, or both
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Integrated good-read beeper
- · Multiple scan modes including Autosense and software triggering
- High-impact and solvent-tolerant enclosure
- · Water and Particulate Sealing Rating of IP54

INDUSTRY - APPLICATION

- Retail:
 - Self-Checkout
 - Price Verifiers
 - Ticket readers
 - Robotics AGVs
- Ticket & Passport Reading
- Access Control
- Robotics
- AGVs
- Manufacturing:
 - Work in Process
 - Access Control
 - Robotics
- Healthcare:
 - Access Control
 - Service Kiosks
 - Lab Test Equipment
 - Document Handling









DSM04XXX FIXED SCAN MODULE

TECHNICAL SPECIFICATIONS

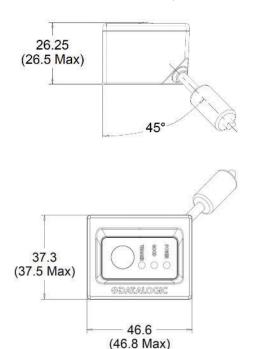
MODELS		READING PERFORM	MANCE
DSM0421	DSM0400, 2D, WVGA, USB	Imager Sensor	WVGA: 752 x 480 pixels MP: 1280 x 960 pixels
DSM0422-DL	DSM0400, 2D, MP-DL, USB		Aiming: 650 nm VLD
DSM0452-DL	DSM0400, 2D, MP-DL, RS-232	Light Source	Illumination: White LEDs
DSM0492-DL	DSM0400, 2D, MP-DL, RJ-45		DSM0421: 40°H x 26°V
DSM0422-WA	DSM0400, 2D, MP-WA, USB	Field of View	DSM04X2-DL: 42°H x 32°V
DSM0452-WA	DSM0400, 2D, MP-WA, RS-232		DSM04X2-WA: 52°H x 40°V
DSM0492-WA	DSM0400, 2D, MP-WA, RJ-45	Reading Angle	Pitch: +/- 60°; Roll (Tilt): +/-180°; Skew (Yaw): +/- 60°
DECODING CAPABI		Reading Indicators	Beeper (Adjustable volume); Good Read Feedback: Datalogic 'Green Spot' Technology; Good read top LED
1D / Linear Codes	All standard 1D codes including: UPC/EAN/JAN, P2 / P5 add-ons; Code 39; Italian Pharmacode 39; Code 128; C128 ISBT; I 2 of 5; Standard 2 of 5; Interleaved 2 of 5; Industrial 2 of 5; Datalogic 2 of 5; IATA; Code 11; Codabar; ABC Codabar; EAN 128; Code 93; MSI/Plessey; RSS-14; BC412; Databar Limited; Databar Omnidirectional; Databar Expanded; IATA; Trioptic; Matrix 2/5; Telepen. Composite codes CC-A, CC-B and CC-C	Resolution (Maximum)	1D Linear: 2.5 mils (DSM04X2) – 3.0 mil (DSM0421) Data Matrix: 6 mils (DSM04X2) – 7.5 mils (DSM0421) PDF417: 3 mils (DSM04X2) – 6.6 mils (DSM0421)
		Print Contrast (Minimum)	25%
		Image Capture	Greyscale: 256; Graphic Formats: BMP, JPEG
		READING RANGES	
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code	Typical Depth of Field	Minimum distance determined by symbol length and s angle. Printing resolution, contrast, and ambient light
Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)	1D/2D Codes: DSM0421	dependent. 3 mils Code 39: 8.0 to 17.5 cm / 3.1 to 6.9 in 5 mils Code 39: 5.5 to 26.0 cm / 2.1 to 10.2 in 13 mils EAN-13: 4.5 to 42.0 cm / 1.8 to 16.5 in 20 mils Code 39: up to 59.0 cm / up to 23.2 in 15 mils Data Matrix: 3.5 to 26.5 cm / 1.4 to 10.4 in 10 mils PDF417: up to 20.0 cm / up to 7.9 in
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		
ELECTRICAL			3 mils Code 39: 6.5 to 20.0 cm / 2.5 to 7.8 in 5 mils Code 39: 3.5 to 29.0 cm / 1.3 to 11.4 in
Input Voltage	5 VDC ± 5%	1D/2D Codes: DSM04X2-DL	10 mils Data Matrix: 7.5 to 26.0 cm / 2.9 to 10.2 in 13 mils EAN-13: 4.5 to 42.0 cm / 1.7 to 16.5 in 15 mils Data Matrix: 5.5 to 32.0 cm / 2.1 to 12.5 in 20 n Code 39: up to 60.0 cm / up to 23.6 in
Current: DSM0421 USB Connected	Operating (Typical): ≈ 214 mA** Standby/Idle (Typical): ≈ 57 mA* Low Power: ≈ 3.9 mA		
Current: DSM0422 / DSM0492 USB Connected	Operating (Typical): ≈ 214 mA** Standby/Idle (Typical): ≈ 55 mA* Low Power: ≈ 5 mA	1D/2D Codes: DSM04X2-WA	3 mils Code 39: 5.0 to 18.0 cm / 2.0 to 7.1 in 5 mils Code 39: 3.0 to 24.0 cm / 1.2 to 9.4 in 10 mils Data Matrix: 4.0 to 20.0 cm / 1.6 to 7.9 in 13 mils EAN-13: 3.5 to 37.0 cm / 1.4 to 14.6 in
Current: DSM0452 / DSM0492 RS-232 Connected	Operating (Typical): ≈ 246 mA** Standby/Idle (Typical): ≈ 50 mA* Low Power: ≈ 9 mA		15 mils Data Matrix: 3.0 to 25.0 cm / 1.2 to 9.8 in 20 mils Code 39: up to 60.0 cm / up to 23.6 in
**If "power" and "trigger" statu		SAFETY & REGULA	TORY
* If "power" status LED is enal	oled add 15 mA		The product meets necessary safety and regulatory
ENVIRONMENTAL		Agency Approvals	approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete
Ambient Light	0 - 100,000 lux		list of certifications.
Humidity (Non-condensing)	5 - 95%	Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
Drop Resistance	Withstands repeated drops from 3 ft onto a concrete surface.	Laser Classification	Caution Laser Radiation - Do not stare into beam IEC 60825 Class 2
Particulate and Water	IP54	SOFTWWARE INTEG	GRATION
Sealing		Operating System Support	Windows; Linux, Android™
Temperature	Operating: -20 to 50°C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F	Tools	DESP Demonstration & Configuration Utility; Datalogic Aladdin™
NTERFACES		WARRANTY	
Interfaces	USB: HID-KBD, COM, OEM& Composite (KBD & COM) RS-232	Warranty	3-Year Factory Warranty
PHYSICAL CHARAC	TERISTICS		
Colors Available	Black		
Dimensions	4.7 x 2.7 x 3.8 cm / 1.85 x 1.06 x 1.50 in		
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Weight (with cable)	USB version - Approximately 131 g / 4.62 oz RS-232 version - Approximately 155 g / 5.47 oz		

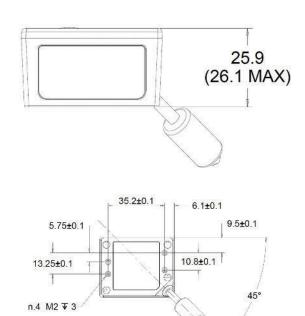
RJ-45 version – Approximately 96 g / 3.39 oz

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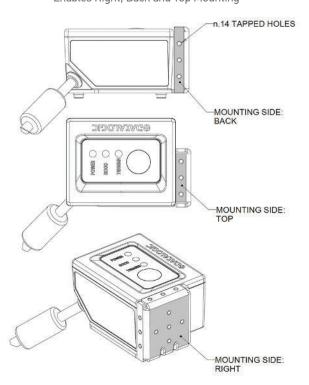
DIMENSIONS OF THE FIXED SCAN MODULE (MEASUREMENTS IN MILLIMETERS)



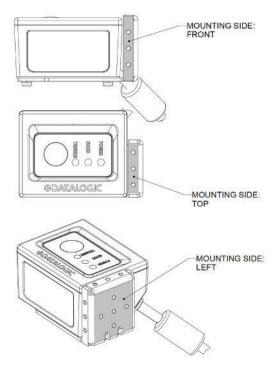


5-SIDE MOUNTING BRACKET (INCLUDED)

Mounting Option 1 Enables Right, Back and Top Mounting



Mounting Option 2 Enables Left, Front and Top Mounting



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