### DSM04XX FIXED SCAN MODULE SPATALOGIC





#### 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 di erent 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
- · AGVs
- · Healthcare:
  - Access Control
  - Service Kiosks
  - Lab Test Equipment
  - · Document Handling









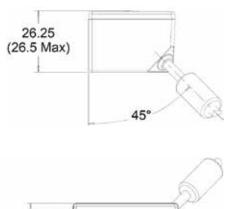
# DSM04XXX FIXED SCAN MODULE TECHNICAL SPECIFICATIONS

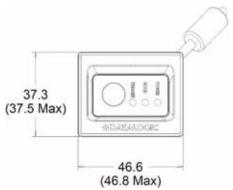
MODELS		READING PERFORM	_
DSM0421	DSM0400, 2D, WVGA, USB	Imager Sensor	WVG/
DSM0422-DL	DSM0400, 2D, MP-DL, USB		MP: 1
DSM0452-DL	DSM0400, 2D, MP-DL, RS-232	Light Source	Illumi
DSM0492-DL	DSM0400, 2D, MP-DL, RJ-45		DSMC
DSM0422-WA	DSM0400, 2D, MP-WA, USB	Field of View	DSM0
DSM0452-WA	DSM0400, 2D, MP-WA, RS-232		DSM0
DSM0492-WA	DSM0400, 2D, MP-WA, RJ-45	Reading Angle	Pitch:
DECODING CAPABIL	_ITY	Reading Indicators	Beepe
1D / Linear Codes	Industrial 2of 5; Datalogic 2of5; IATA; Code 11; Codabar; ABC Codabar; EAN 128; Code 93; MSI/Plessey; RSS-14;	Resolution (Maximum)	1D Lir Data N PDF4
		Print Contrast (Minimum)	25%
	BC412; Databar Limited; Databar Omnidirectional;	Image Capture	Greys
	Databar Expanded; IATA; Trioptic; Matrix 2/5; Telepen. Composite codes CC-A, CC-B and CC-C	READING RANGES	
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code	Typical Depth of Field	Minim angle.
Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)		3 mil 5 mil 13 mil
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	1D/2D Codes: DSM0421	20 mil 15 mil 10 mil
LECTRICAL			3 mil 5 mil
nput Voltage	5 VDC ± 5%	4D/0D 0 1 D0M0 W0 D1	10 mi
Current: DSM0421 USB Connected	Operating (Typical): 214 mA** Standby/Idle (Typical): 57 mA* Low Power: 3.9 mA	1D/2D Codes: DSM04X2-DL	13 mil 15 mil Code 3
Current: DSM0422 / DSM0492 USB Connected	Operating (Typical): 214 mA** Standby/Idle (Typical): 55 mA* Low Power: 5 mA	1D/2D Codes: DSM04X2-WA	3 mil 5 mil 10 mil 13 mil
Current: DSM0452 / DSM0492 RS-232 Connected	Operating (Typical): 246 mA** Standby/Idle (Typical): 50 mA* Low Power: 9 mA		15 mil 20 mil
*If "power" and "trigger" status		SAFETY & REGULATION	
* If "power" status LED is enab	led add 15 mA		The pr
INVIRONMENTAL		Agency Approvals	Guide
Ambient Light	0 - 100,000 lux		list of
Humidity (Non-condensing)	5 - 95%	Environmental Compliance	Comp
Drop Resistance	Withstands repeated drops from 3 ft onto a concrete surface.	Laser Classification	Cautio
Particulate and Water Sealing	IP54	SOFTWWARE INTEG	
Temperature	Operating: -20 to 50°C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F	Operating System Support Tools	Windo
NTERFACES		WADDANTY	Datalo
Interfaces	USB: HID-KBD, COM, OEM& Composite (KBD & COM) RS-232	WARRANTY Warranty	3-Yea
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		
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		

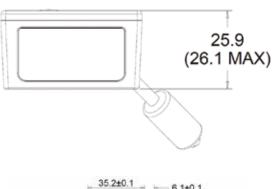
READING PERFORMANCE			
Imager Sensor	WVGA: 752 x 480 pixels MP: 1280 x 960 pixels		
Light Source	Aiming: 650 nm VLD Illumination: White LEDs		
Field of View	DSM0421: 40°H x 26°V DSM04X2-DL: 42°H x 32°V DSM04X2-WA: 52°H x 40°V		
Reading Angle	Pitch: +/- 60°; Roll (Tilt): +/-180°; Skew (Yaw): +/- 60°		
Reading Indicators	Beeper (Adjustable volume); Good Read Feedback: Datalogic 'Green Spot' Technology; Good read top LED.		
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			
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.		
1D/2D Codes: DSM0421	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		
1D/2D Codes: DSM04X2-DL	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 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 mils Code 39: up to 60.0 cm / up to 23.6 in		
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 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		
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		
SOFTWWARE INTEGRATION			
Operating System Support	Windows; Linux, Android™		
Tools	DESP Demonstration & Configuration Utility; Datalogic Aladdin™		
WARRANTY			
Warranty	3-Year Factory Warranty		

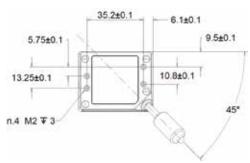
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#### DIMENSIONS OF THE FIXED SCAN MODULE MEASUREMENTS IN MILLIMETERS



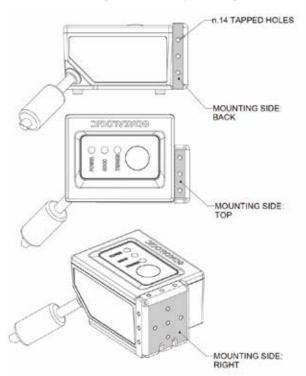




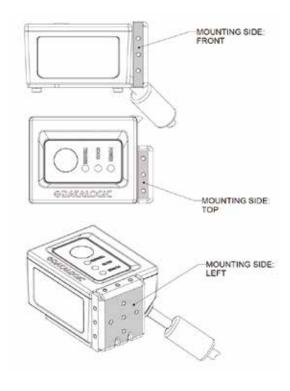


### 5 SIDE MOUNTING BRACKET INCLUDED

Mounting Option 1 Enables Right, Back and Top Mounting



Mounting Option 2
Enables Le , Front and Top Mounting



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