Newland AIDC
SCANNING MADE SIMPLE

FM550

Escáneres industriales fijos

1D & 2D | CMOS | Dual Laser Aimer | IP65 | RS232 | USB

Warranty 2 Years

Features

Wide Viewing Angle and Near Field Scanning
With a wide viewing angle, the FM550 scans both 1D and 2D barcodes from close-up, making this fixed-mount scanner a perfect choice for lab and IVD applications. It enables efficient and error-free data capture even in situations where the barcodes are not placed directly in front of the scanner.

Effortless Integration
The FM550 features an ultra-compact design, making its integration into your IVD devices seamless. Its miniature form factor ensures a hassle-free and space-efficient installation, allowing for a smooth and efficient workflow in your laboratory automation processes.

Image Capture
In addition to barcode scanning, the FM550 is equipped with image capture capabilities. Whether documenting sample conditions, recording experimental results, or capturing specimen images, this feature enhances data collection and analysis, improving the accuracy and efficiency of research and diagnostic procedures.

High Precision Scanning
The FM550 is equipped with dual laser aiming, a feature that simplifies device positioning during installation. This dual laser system provides an easy and convenient way to align the scanner with the intended target, ensuring precise and accurate data capture. It streamlines the setup process for IVD integration, saving you valuable time and effort.

Swift Data Transmission
The FM550 supports high-speed data transmission to the host system via the USB interface. This quick data transfer capability ensures that your lab automation processes remain efficient and responsive. It eliminates bottlenecks in data transfer, allowing for swift and seamless integration with your IVD devices.

Rugged Durability
The FM550 features a rugged metal housing that is sealed to an IP65 rating. This ensures the scanner's durability, even in challenging laboratory environments. The IP65 sealing not only protects the internal components from dust and water but also enhances the overall security and longevity of the device, making it a robust choice for laboratory automation.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

FM550

Captura de datos

1D	Code 128, EAN-8, EAN-13, EAN-13 Addendum, UPC-E, UPC-A, Interleaved 2/5, Code 39, Codabar, Code 93, UCC/EAN-128
2D	PDF417, Data Matrix, QR Code, Aztec
Puntero	Láser rojo (650 nm)
Salida del haz	Scan window with lateral beam exit
Profundidad de campo Code 128 (8.34mil)	45 mm - 90 mm
Profundidad de campo Code 39 (6.67mil)	45 mm - 85 mm
Campo de visión horizontal	52˚
Campo de visión vertical	76.5˚
Iluminación	LED blanco (3000 K)
Sensor de imagen	1280 x 800 CMOS
Contraste de impresión mínimo	50%
Resolución	≥5mil
Velocidad de lectura	60 frames per second

Físico

Corriente en funcionamiento @ 5 VDC	141.35 mA RMS (typical); 397.54 mA (max)
Dimensiones (mm)	54(W)× 27.5(D)× 25.5(H) mm
Carcasa	Aluminio
Tensión de entrada	5 V CC ±5 %
Interfaces	RS-232, USB
Notificaciones	Pitido, LED
Consumo eléctrico	9 W
Peso	107 g

Medioambiental

Iluminación ambiental	≤5000 lux
Humedad	5 % al 95 % (sin condensación)
Grado de protección IP	IP65
Temperatura de funcionamiento	De 0 °C a 50 °C (de 32 °F a 122 °F)
Temperatura de almacenamiento	De -20 °C a 70 °C (de -4 °F a 158 °F)

Software

Herramientas de configuración	EasySet

Certificados

Certificaciones Hardware	CE, RoHS 2.0, IEC 62471, IEC 60825-1, FCC, EN 50689

Garantía

Garantía estándar	2 años

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Feel free to contact us or a partner near you.
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Specifications are subject to change without notice

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