Mirage Connect

2D DataMatrix Reader

The Ziath Mirage Connect from Azenta Life Sciences is the only 2D DataMatrix code reader on the market to deliver fully integrated networking with true plug-and-play operation via USBC connection. Designed for high-throughput automation and frozen sample workflows, it features a compact footprint ideal for robotic platforms and limited bench space. With its upgraded 16-megapixel camera, and passive cryo protection to minimize fogging, Mirage Connect streamlines sample traceability and optimizes workflow.

Key Features

SAMPLE TRACEABILITY & COMPLIANCE

- Accurate 2D DataMatrix code reading for tubes and full racks
- Maintains chain of custody in biobanks and clinical workflows
- Validated data output for GxP, FDA, and IVDR environments

AUTOMATION & WORKFLOW INTEGRATION

- Compatible with robotic arms, cappers/decappers, and liquid handlers
- Fast decoding speeds to support high-throughput workflows
- Reduces rescans and manual intervention for streamlined operations

CRYO-PERFORMANCE & DURABILITY

- Reads samples at -80°C to -196°C with cryo-protected housing
- Minimizes fogging and condensation for clear reads
- Performs reliably on frosted, scratched, or glare-affected tubes

NETWORK & DIGITAL CONNECTIVITY

- RJ45 to RJ45, or RJ45 to USB connection.
- Supports HTTP(S) REST API, LIMS integration, and mobile app control
- Centralized device management across LAN/WAN for scalable deployment

ADVANCED OPTICAL SYSTEM

- Upgraded 16-megapixel camera delivers fast, precise reads
- Optimized for clarity across diverse tube types and rack formats
- Supports standard acoustic templates for immediate use

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Mirage Connect

Specifications

Dimensions	208 × 135 × 80mm - Small footprint for integration of benchtop
Weight	1.35 kg - Lightweight easy to handle and move
Power Adapter	Input: 100-240VAC, USB-C power
Power Consumption	≤10 watts
Labware Compatibility	24, 48, 96,138HD, 240, 384 racks and Acoustic racks as Standard– Unique to Azenta, with the advantage we can make additional templates for any commercially available SBS racks
Decoding camera technology	16 Megapixel auto focus camera
Decoding Time	<2 seconds
Code compatibility	2D DataMatrix codes and Linear codes with the addition of Linear barcode attachment
Working temperature	5 to 35°C
Warranty	2 years
Network compatibility	Full compatibility with both RJ45 and USB connections- This is the ONLY reader in the market that can offer network communication and integration with Automated platforms

Ordering Information

601023	Mirage Connect Cryoprotection + DP5 Software, Economical Camera-based reader with small footprint and low height, with Cryoprotection for use with cold racks, suitable for Zero Configuration Networking.

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