# Datacard®
# ImageCard® IV card printer

## A high-speed solution for demanding applications

The Datacard® ImageCard® IV card printer is designed to provide high-volume applications with superior image quality, long card life, advanced card security and unsurpassed reliability. Its industry-leading 210 card-per-hour speed, reliable design and magnetic stripe and smart card capabilities make it ideal for issuing driver's licenses, college and university IDs, employee badges and more.

*The Datacard® ImageCard® IV printer sets industry standards for speed, image quality, card durability and card security.*

## Superior image quality and standard duplex printing

An advanced, high-speed print engine delivers true-to-life photos and crisp, clean graphics. In addition to superior image quality, the ImageCard® IV printer offers a standard duplex printing feature that allows you to print full-color images on both sides of cards.

## The ultimate in card durability

The ImageCard IV printer lets you apply a Datacard® DuraGard® protective laminate to one or both sides of cards as part of the inline printing process. This resilient polyester laminate extends card life by creating a barrier against scratches, abrasions, dye migration and chemical agents.

## A better approach to card security

Unlike most card printers, the ImageCard IV printer uses separate heated rollers to apply the holographic topcoat and the polyester laminate material. So, even if the polyester layer is removed, the tamper-evident holographic topcoat remains affixed to the card for continued security.

## Low cost of ownership

Users can install our operator-replaceable printheads in under five minutes, maximizing uptime and reducing service costs over the life of the printer. Automatic card cleaning helps prevent damaging particles from reaching the printhead. An optional particle detection system senses embedded particles in plastic cards, then sends those cards to a reject hopper before they cause damage. We also offer a broad selection of ribbon configurations and selection to meet your needs.

## Extremely easy to operate

An exclusive "smart" printer driver offers on-screen operator messages, online help and easy-to-follow instructions for simple error recovery. Quick-change supplies, operator-replaceable printheads and automatic card remake and cleaning features also make the ImageCard IV printer extremely easy to use. The printer operates on the Microsoft® Windows NT®, 95, 98, 2000, Me and XP platforms.
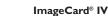
## Industry's best warranty coverage

Like all Datacard® card printers, we back the ImageCard® IV printer with one of the industry's best printer and printhead warranties. For example, we honor printhead warranty coverage with no pass restrictions and no prorating of printhead replacement costs. We also offer a standard one-year depot service warranty on all parts and labor, with a full menu of optional coverage to help ensure low cost of ownership.
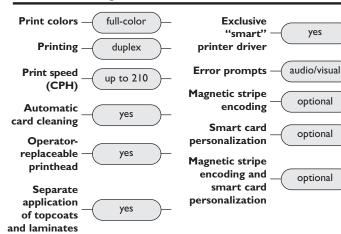
## Your best choice for supplies

Protect your investment in Datacard® solutions by only using Datacard® Certified Supplies. You can count on Datacard for all of your supplies needs. We engineer superior performance and unwavering reliability into every system-matched supply item we offer. For you, that means smooth, printing, brilliant image quality, high security and exceptional performance. Worldwide representation creates a fast, direct connection with the supplies and support you need, when and where you need them.

**Datacard**Group

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### ImageCard® IV

| | |
|---|---|
| **Print colors** | full-color |
| **Printing** | duplex |
| **Print speed (CPH)** | up to 210 |
| **Automatic card cleaning** | yes |
| **Operator-replaceable printhead** | yes |
| **Separate application of topcoats and laminates** | yes |
| **Exclusive "smart" printer driver** | yes |
| **Error prompts** | audio/visual |
| **Magnetic stripe encoding** | optional |
| **Smart card personalization** | optional |
| **Magnetic stripe encoding and smart card personalization** | optional |

## Standard features
- Full-color duplex printing
- Operator-replaceable printhead (in less than 5 minutes)
- One-step ribbon cartridge replacement
- On-screen operator prompts
- Automatic card cleaning
- Detachable card hoppers
- Edge-to-edge printing
- Reject card hopper
- Automatic card feed
- Audio and visual error prompts
- Automatic card remake
- Microsoft® Windows NT®, 95, 98, 2000, Me and XP drivers
- One-year printer warranty
- One-year printhead warranty with no pass restrictions or prorating
- 7 color ribbon choices
- 12 monochrome ribbon choices
- Broad range of service options

## Options
- One or two heated rollers
  - Clear or holographic topcoats
  - Protective polyester laminate
- Lockable card hoppers and cover
- Magnetic stripe encoding
- Smart card personalization
- Magnetic stripe encoding and smart card personalization
- Variety of service plans
- Particle detection system

## Specifications
- Physical dimensions:
  21.75 in. x 25.9 in. x 11 in.
  (552 mm x 498 mm x 253 mm)
- Weight: approx. 60 lbs. (27.3 kg) to 75 lbs. (34.1 kg), depending upon options selected
- Print capabilities:
  - Full-color duplex
  - Continuous-tone full-color or continuous-tone black-and-white photos
  - Alphanumeric text, logos, digitized signatures, fingerprints
  - Variety of bar codes
  - Background patterns
- Print resolution: 300 dpi
- Topcoat capabilities:
  - Inline application of one or two topcoats
  - Clear or holographic topcoats
- Protective laminate capabilities:
  - Inline application of 0.50 mil, 1.0 mil polyester laminate
  - Laminate area: 3.24 in. x 2.0 in. (82.6 mm x 50.8 mm)
- Throughput:
  - Up to 210 cards per hour with a five-panel ribbon and laminate or topcoat application
- Magnetic stripe encoding:
  - Tracks 1, 2, 3
  - High- or low-coercivity
  - IAT and J-stripe
- Smart card personalization:
  - Supports ISO standards
  - Several smart card options:
    PCSC Contract Coupler
    Contact Station
    Contactless Coupler
    Combination Contact/Contactless Coupler

- Resident memory: 16 MB
- Electrical requirements:
  - 100/120V, 50/60 Hz
  - 220/240V, 50/60 Hz
- Communications:
  ECP parallel port
- Plastic cards accepted:
  - Size: 3.375 in. x 2.125 in. (85.7 mm x 54.0 mm)
  - Thickness: 0.02 in. (.51 mm) to 0.05 in. (1.27 mm)
  - Type: PVC with glossy overlaminate surface
  - Automatically adjusts for random card thicknesses
- Supplies:
  - Color photo print ribbon
    - YMCK-KT (four colors, true black and topcoat)
    - YMCKT-KT (three colors, true black, topcoat, and true black and topcoat)
    - YMCKT (three colors, true black and topcoat)
    - YMCT (three colors and topcoat)
    - YMCKK (three colors and two true blacks)
    - YMCK (three colors and true black)
    - YMC (three colors)
    - KT (true black and topcoat)
    - K (true black)
    - Tonal ribbon for black-and-white photos
    - 12 monochrome ribbon choices
  - Topcoat and laminate supplies:
    - Clear or holographic topcoats (custom holographic topcoats available)
    - Datacard® DuraGard® protective laminate
    - Datacard® DuraGard® protective laminate with security feature