

Peripheral Dynamics Inc.

DOCUMENT SCANNER PRODUCTS CATALOG

Peripheral Dynamics Inc.

5150 Campus Drive

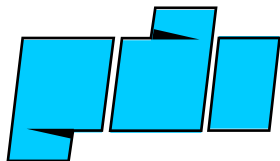
Plymouth Meeting, PA 19462-1123

Toll-Free: 800-523-0253

Phone: 610-825-7090 Fax: 610-834-7708

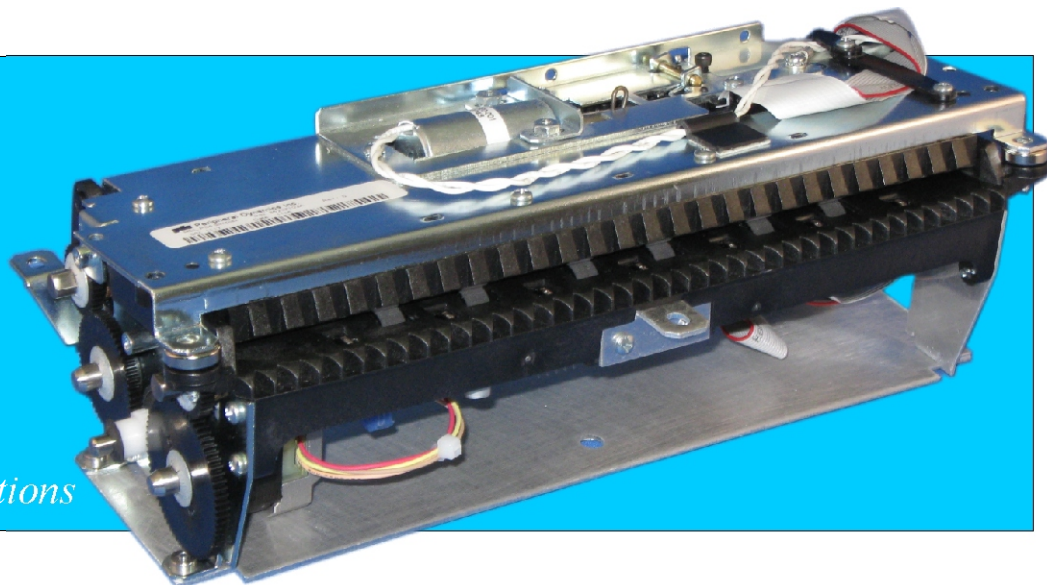
Email: sales@pdiscan.com Internet: www.pdiscan.com

High-Speed Transport Exceeds Anything on the Market!



PAGESCAN IV SCANNER

*The Fourth-Generation
Full-Page Image Scanner
from PDI, Combining
Durability, High Speed
and Superior Image
Quality in an Open-Frame
Mechanism for OEM Applications*



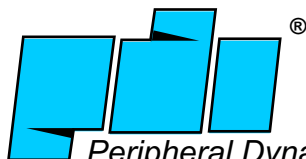
TRANSMIT AND RECEIVE DATA VIA A SERIAL USB INTERFACE ... SCAN DOCUMENTS AT 17 IPS@200 DPI

The rugged and reliable PAGESCAN IV is ideal for demanding environments scanning documents at 17 IPS @ 200 DPI. This long-life scanner produces your choice of bitonal or 8-bit grayscale images. PAGESCAN IV is available in both simplex and duplex versions to suit your specific application and offers bi-directional document transport allowing straight-through or reciprocating (return to user) operation. PAGESCAN IV scans forms from a full-page legal size (8-1/2" x 14") down to forms 3.25" wide x 3.25" long. The industrial strength PAGESCAN IV captures images, decodes Bar Codes (BCR), Optical Characters (OCR) & Optical Marks (OMR) on Gaming Forms for Lottery, Keno, Bingo, and Racetrack Bet Slips. Other applications include Election Ballots, Medical Records, Time Cards, Maintenance Logs, Invoices, and much, much more.

Check these outstanding features:

- Extreme flexibility – Send full images to the host for processing or process the image data on-board the scanner and send only the decoded results, reducing resources needed on the host processor.
- Advanced optic system design provides the highest quality image available in the market by minimizing sensitivity to creases and folds in a document. This results in unparalleled archival data and higher accuracy of decoded data.
- Mechanism is modular and designed to fit as an OEM subassembly into most terminal enclosures.
- Designed with increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Selectable bitonal or 8-bit grayscale scanning.
- Standard USB 2.0 high speed interface, backward compatible with USB 1.1 full speed.
- Bi-directional transport permits straight through transport for rear-binning or reciprocating operation.
- Increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Equipped with hinge mounted transport path for easy access for cleaning and jam clearing.
- Software available for OCR, OMR, bar code and image capture applications.
- The image scanner that combines durability with high speed.

FOR THE FULL STORY ON THE ULTIMATE IMAGE SCANNER, CONTACT US TODAY.



Peripheral Dynamics Inc.
SCANNING NEW HORIZONS IN DATA ENTRY

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PAGESCAN IV SCANNER

The Fast Full-Page Image Scanner with USB Interface

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

Simplex or Duplex:
+24 VDC \pm 5% @ 30W

SIMPLEX THERMAL PRINTER OPTION

Additional +24 VDC \pm 5% @ 30W

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 4 lbs.

DATA DETECTION

Scan head is a linear photodiode sensor array containing 1728 pixels at 8 dpm (200 dpi). Scanning is reflective with advanced light sources (wavelength 660nm) for shadow-free illumination.

DOCUMENT SPEED/TRANSPORT TIME

Transport scanning speed = 17 ips @ 200 dpi
Transport speed (printing/branding) = 1.1 ips @ 180 lines/inch
2.2 ips @ 90 lines/inch

Typical transaction (transport) time:

For 8-inch long selection slip = 0.5 seconds (200 dpi).
For 11-inch long full-page = 0.7 seconds (200 dpi).

IMAGE DATA

Bitmap image data format is command selectable as either:
8-bit grayscale data (1 pixel per 8-bit data byte)
Bitonal (B/W) data (8 pixels per data byte)

TEMPERATURE

Operating: 0°C to + 50°C
Storage: -25°C to + 60°C

RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%
Storage: 5 to 95%

APPLICATIONS

ENGINEERING ASSISTANCE

If you have specific requirements, call and challenge us. We make custom solutions our business.



SCANNING NEW HORIZONS IN DATA ENTRY

RELATED PDI EQUIPMENT

- Batch Feed Image Scanners
- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- RFID Reader/Writers
- Card Dispensers
- Ticket Issuing Machines
- Color ID Card Printers
- Scanning Software & Developer's Tool Kits



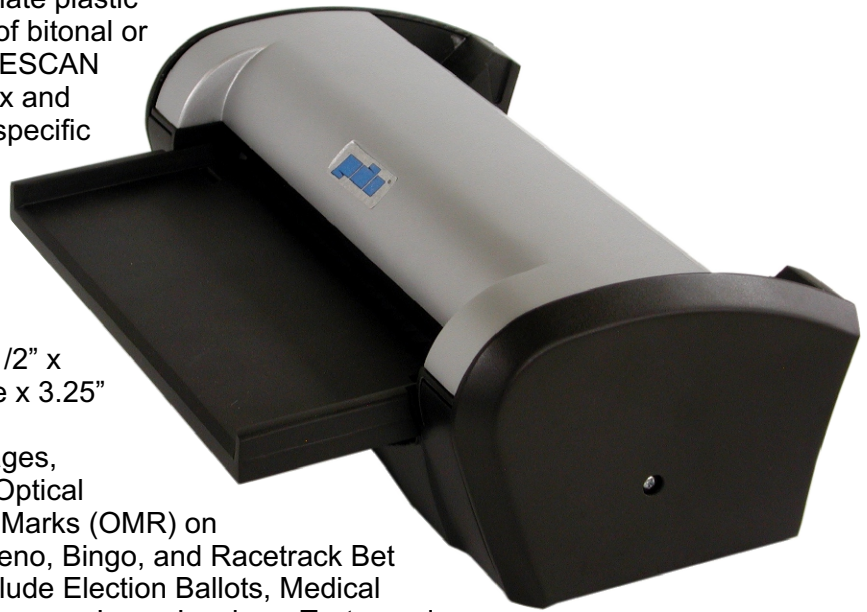
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Printed in USA

PAGESCAN IV SCANNER

*Fourth-Generation Full-Page Image Scanner from PDI,
Combining Durability, High Speed and Superior Image Quality
in a Stand-Alone Table-Top Version!*

PAGESCAN IV... the fourth generation image capture scanner is now available as a stand-alone unit in an attractive case. The rugged and reliable PAGESCAN IV is ideal for demanding environments scanning documents at 17 IPS @ 200 DPI. This long-life scanner, housed in a compact, durable polycarbonate plastic case, produces your choice of bitonal or 8-bit grayscale images. PAGESCAN IV is available in both simplex and duplex versions to suit your specific application and offers bi-directional document transport allowing straight-through or reciprocating (return to user) operation. PAGESCAN IV scans forms from up to a maximum of 8-1/2" x 22" down to forms 3.25" wide x 3.25" long. The industrial strength PAGESCAN IV captures images, decodes Bar Codes (BCR), Optical Characters (OCR) & Optical Marks (OMR) on Gaming Forms for Lottery, Keno, Bingo, and Racetrack Bet Slips. Other applications include Election Ballots, Medical Records, Time Cards, Maintenance Logs, Invoices, Tests, and much, much more.

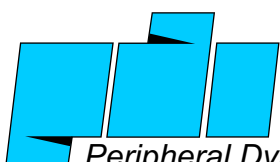
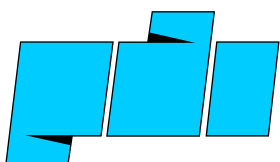
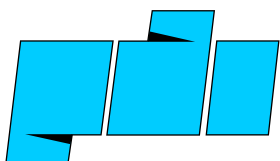
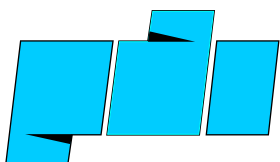
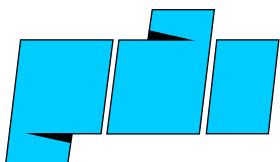
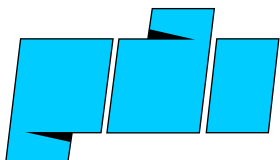
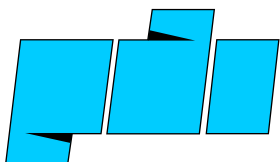
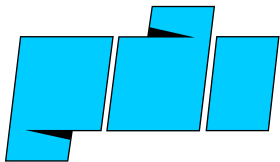


Check these outstanding features:

- Extreme flexibility – Send full images to the host for processing or process the image data on-board the scanner and send only the decoded results, reducing resources needed on the host processor.
- Attractive, compact, yet rugged scanner gives you trouble-free operation for a variety of applications.
- Reliable advanced optic design provides the highest quality image available by minimizing sensitivity to creases and folds in a document. This results in clearer images and more accurate data for OCR, OMR, and bar code applications.
- Selectable bitonal or 8-bit grayscale scanning.
- Standard USB 1.1 or 2.0 interface.
- Bi-directional transport permits straight through transport for rear-binning or reciprocating operation.
- Increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Software available for OCR, OMR, bar code and image capture applications.
- The image scanner that combines durability with high speed.

FOR MORE INFO ON THE PAGESCAN III TABLETOP SCANNER, CONTACT US TODAY.

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SCANNING NEW HORIZONS IN DATA ENTRY

PAGESCAN IV SCANNER

The Image Scanner That Combines Durability with High Speed

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

Simplex or Duplex:
+24 VDC \pm 5% @ 30W

SIMPLEX THERMAL PRINTER OPTION

Additional +24 VDC \pm 5% @ 30W

WEIGHT

The total weight of the scanner is approximately 5.2 lbs.

DATA DETECTION

Scan head is a linear photo diode sensor array containing 1728 pixels at 8 dpm (200 dpi). Scanning is reflective with advanced light sources (wavelength 660nm) for shadow-free illumination.

DOCUMENT SPEED/TRANSPORT TIME

Transport scanning speed = 17 ips @ 200 dpi
Transport speed (printing/branding) = 1.1 ips @ 180 lines/inch
2.2 ips @ 90 lines/inch

Typical transaction (transport) time:
For 8-inch long selection slip = 0.5 seconds (200 dpi).
For 11-inch long full-page = 0.7 seconds (200 dpi).

IMAGE DATA

Bitmap image data format is command selectable as either:
8-bit grayscale data (1 pixel per 8-bit data byte) or
Bitonal (B/W) data (8 pixels per data byte)

TEMPERATURE

Operating: 0°C to + 50°C
Storage: -25°C to +60°C

RELATIVE HUMIDITY (non-condensing)

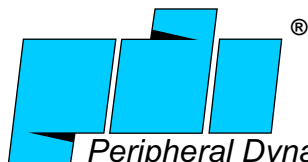
Operating: 10 to 85%
Storage: 5 to 95%

COMPLIANCE

FCC Part 15, Subpart B, Class B compliant

APPLICATIONS ENGINEERING ASSISTANCE

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120715

RELATED PDI EQUIPMENT

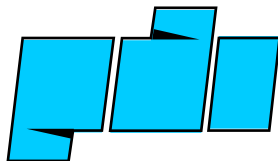
- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
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- Color ID Card Printers
- Scanning Software & Developer's Tool Kits



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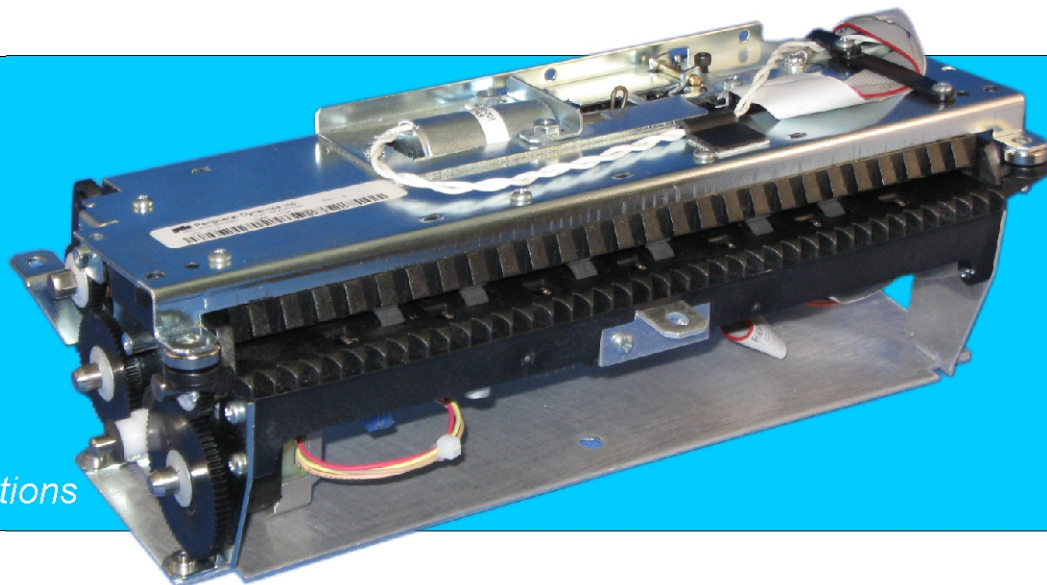
Printed in USA

Now in Full Color at 400 / 600 DPI or 200 / 300 / 400 DPI Monochrome



PAGESCAN V SCANNER

*The New Fifth-Generation
Full-Page Image Scanner
from PDI, Combining
Durability, High Speed
and Superior Image
Quality in an Open-Frame
Mechanism for OEM Applications*



USB 2.0 INTERFACE

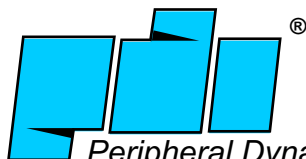
200/300/400 DPI MONOCHROME OR 400/600 DPI FULL COLOR

The rugged and reliable PAGESCAN V is ideal for demanding environments scanning documents at 17 IPS @ 200 DPI with lower speeds at higher resolution. This long-life scanner produces your choice of bitonal, 8-bit grayscale or color images. PAGESCAN V is available in both simplex and duplex versions to suit your specific application and offers bi-directional document transport allowing straight-through or reciprocating (return to user) operation. PAGESCAN V scans forms from a full-page legal size (8-1/2" x 14") down to forms 3.25" wide x 3.25" long. The industrial strength PAGESCAN V captures images, decodes Bar Codes (BCR), Optical Characters (OCR) & Optical Marks (OMR) on Gaming Forms for Lottery, Keno, Bingo, and Racetrack Bet Slips. Other applications include Election Ballots, Medical Records, Time Cards, Maintenance Logs, Invoices, and much, much more.

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- Mechanism is modular and designed to fit as an OEM subassembly into most terminal enclosures.
- Designed with increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Selectable bitonal, 8-bit grayscale or optional full color scanning.
- Standard USB 2.0 high speed interface, backward compatible with USB 1.1 full speed.
- Bi-directional transport permits straight through transport for rear-binning or reciprocating operation.
- Increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Equipped with hinge mounted transport path for easy access for cleaning and jam clearing.
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PAGESCAN V SCANNER

The Fast Full-Page Image Scanner with USB Interface

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

Simplex or Duplex:
+24 VDC \pm 5% @ 30W

SIMPLEX THERMAL PRINTER OPTION

Additional 30W on 24V input

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 4 lbs.

DATA DETECTION

Scanning head is constructed with a linear photodiode sensor array and an advanced light source design that provides shadow-free illumination.

Monochrome version: 660nm red or green at resolutions up to 400 dpi.

Color version: RGB color at resolutions up to 600 dpi.

DOCUMENT SPEED

Transport scanning speed = 17 ips @ 200 dpi monochrome
7.6 ips @ 300 dpi monochrome
5.6 ips @ 400 dpi monochrome
3.3 ips @ 200 dpi color - optional
2.1 ips @ 400 dpi color - optional
1.0 ips @ 600 dpi color - optional

Transport speed (printing/branding) = 1.1 ips @ 180 lines/inch
2.2 ips @ 90 lines/inch

OUTPUT DATA FORMATS

Monochrome version: 8-bit grayscale; bitonal (B/W) bitmap; Decoded row-column OMR; Decoded Bar Code.
Color version: RGB Color 24-bit bitmap.

TEMPERATURE

Operating: 0°C to + 50°C
Storage: -25°C to + 60°C

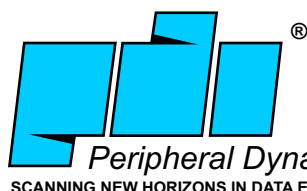
RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%
Storage: 10 to 90%

APPLICATIONS

ENGINEERING ASSISTANCE

If you have specific requirements, call and challenge us. We make custom solutions our business.



RELATED PDI EQUIPMENT

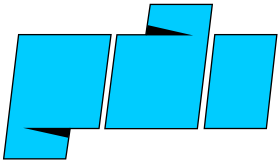
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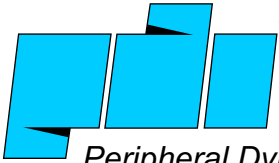
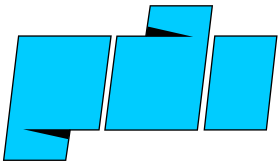
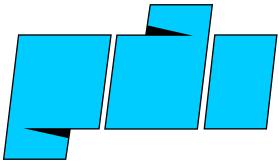
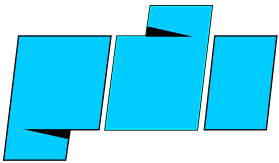
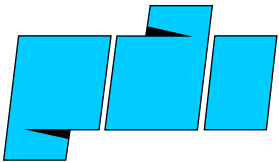
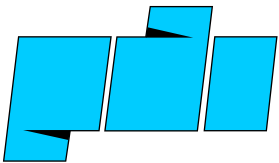
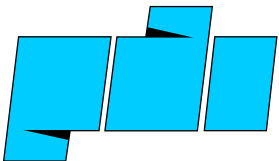
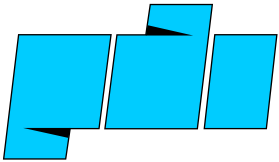
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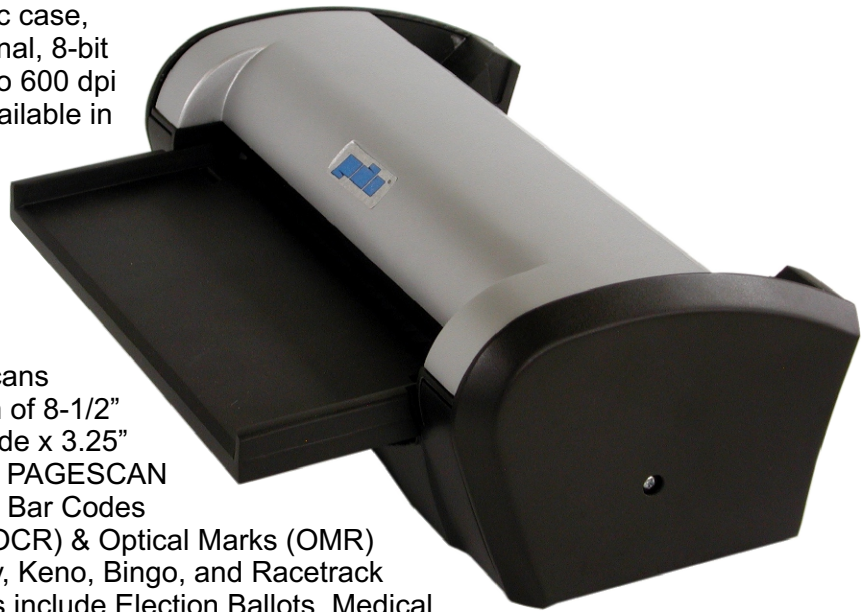
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- Attractive, compact, yet rugged scanner gives you trouble-free operation for a variety of applications.
- Reliable advanced optic design provides the highest quality image available by minimizing sensitivity to creases and folds in a document. This results in clearer images and more accurate data for OCR, OMR, and bar code applications.
- Selectable bitonal, 8-bit grayscale or optional full color at up to 600 dpi scanning.
- Standard USB 1.1 or 2.0 interface.
- Bi-directional transport permits straight through transport for rear-binning or return to user.
- Increased form clearance to handle a wide range of paper sizes and to minimize paper jams.
- Optional software available for OCR, OMR, bar code and image capture applications.
- The image scanner that combines durability with high speed.

FOR MORE INFO ON THE PAGESCAN V TABLETOP SCANNER, CONTACT US TODAY.

PAGESCAN V SCANNER

The Image Scanner That Combines Durability with High Speed

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

Simplex: 18W (max) Duplex: 24W (max)
All versions operate from a single supply +24 VDC \pm 5%

SIMPLEX THERMAL PRINTER OPTION

Additional +24 VDC @ 32W (max)

WEIGHT

The total weight of the scanner is approximately 5.2 lbs.

DATA DETECTION

Scanning head is constructed with a linear photodiode sensor array and an advanced light source design that provides shadow-free illumination.

Monochrome version: 660nm red or green at resolutions up to 400 dpi.

Color version: RGB color at resolutions up to 600 dpi.

DOCUMENT SPEED

Transport scanning speed = 17 ips @ 200 dpi monochrome
7.6 ips @ 300 dpi monochrome
5.6 ips @ 400 dpi monochrome
3.3 ips @ 200 dpi color - optional
2.1 ips @ 400 dpi color - optional
1.0 ips @ 600 dpi color - optional

Transport speed (printing/branding) = 1.1 ips @ 180 lines/inch
2.2 ips @ 90 lines/inch

OUTPUT DATA FORMATS

Monochrome version: 8-bit grayscale; bitonal (B/W) bitmap; Decoded row-column OMR; Decoded Bar Code.

Color version: RGB Color 24-bit bitmap.

THERMAL PRINTER OPTION

Print Width: 18 mm

Dot Pitch: 7.1 mm

TEMPERATURE

Operating: 0°C to + 50°C

Storage: -25°C to + 60°C

RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%

Storage: 10 to 90%

INTERFACE

USB 2.0 High Speed

USB 1.1 Full Speed

REGULATORY CERTIFICATIONS

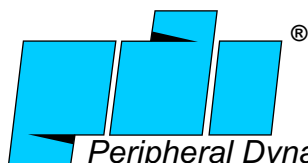
FCC Part 15, Subpart B, Class B

Industry Canada, ICES-003

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If you have specific requirements, call and challenge us. We make custom solutions our business.



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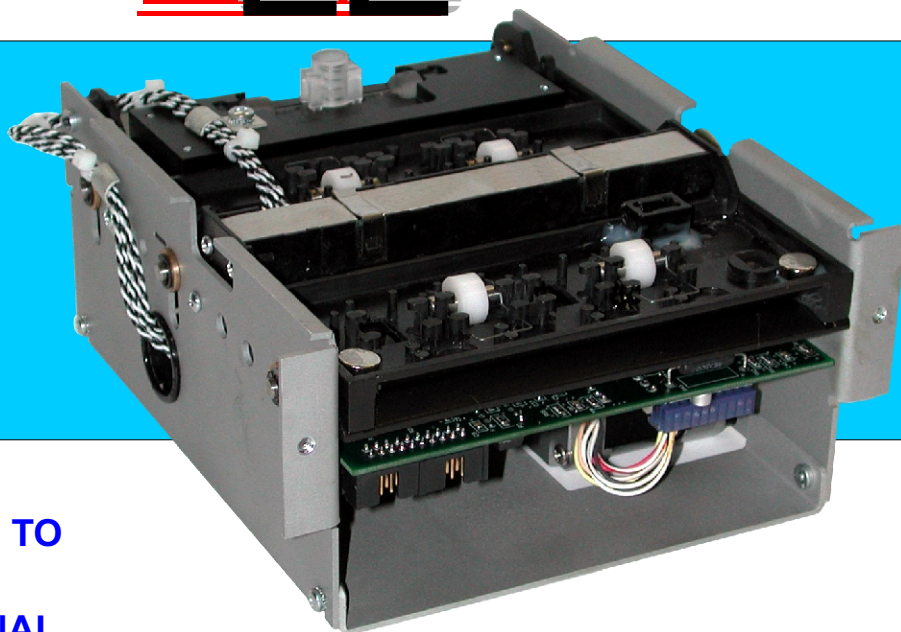
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Printed in USA

Highest Quality Image Available Anywhere!



*The New Half-Page
Image Scanner that
Lets You Scan Both
Sides of a Form
Simultaneously at a
Fast 22 ips!*



**SCAN FORMS FROM A
HALF-PAGE SIZE (A6) DOWN TO
2.75 INCH-WIDE FORMS IN
8-BIT GRAYSCALE OR BITONAL**

It's here....the New EZscan IV from PDI...the high-speed half-page scanner that provides the highest quality image available on the market. EZscan IV is ideal for a variety of applications including point of sale for lottery, wagering, test scoring, banking and business forms.

EZscan IV automatically transports and scans forms from A6-size down to 2.75 inch-wide personal checks...and its bi-directional transport permits straight through or reciprocating operation. EZscan IV connects with a high-speed USB 2.0 port and can scan both sides of a form simultaneously. The scanner's hardware and software automates form design, expedites form handling and simplifies data decoding.

The scanner captures document images with command selectable at 100, 200 or 400 dpi and scans forms on a line-by-line basis up to 22 ips. Image data is available in 8-bit grayscale or bitonal (b/w) formats. Proprietary PC software decodes mark-sense data (OMR), OCR, bar code and MICR data. The mechanism is modular and is designed for an easy fit as an OEM subassembly into most terminal enclosures.

TAKE A LOOK AT THE MANY FEATURES OF EZscan IV

- Bi-directional transport permits straight through (eject rear) or reciprocating (eject front) operation....with the ability to pay Brand or cancel a paid ticket with a high-density thermal print head or ink-jet print head prior to ejecting
- An advanced optical system design provides the highest quality image available by minimizing sensitivity to creases and folds which results in unparalleled accuracy and successful data decode
- Handles forms in sizes ranging from 2.75" wide personal checks up to a maximum of 4.25" W. x 11.00" L. or A6-size documents
- Contains document skew correction software
- Scans and transmits image data at 100, 200 or 400 dpi (command selectable)
- Hinged transport design opens effortlessly for easy access to the document path for read head cleaning
- Optional inkjet print head available for endorsing checks or other printing requirements

FOR THE FULL SCOOP ON EZscan IV, CONTACT US TODAY.



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The Versatile High Speed Half-Page Image Scanner

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

+24 VDC \pm 5% @ 32W

WITH THERMAL PRINTER OPTION

+24 VDC \pm 5% @ 65W

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 3 lbs.

DATA DETECTION / SCAN HEAD

Scan head is 100, 200 or 400 dpi. Scanning is reflective minimizing the effect of creases and wrinkles on the document. Optional light sources, 660nm red for red dropout for OMR applications or 565nm yellow-green for detection of a wider spectrum of ink colors. Light sources designed for shadow-free illumination.

DOCUMENT SPEED/TRANSPORT TIME

Transport scanning speed up to 22 in/sec @ 200 dpi

Transport speed (thermal printing): 1.0 in/sec (minimum)

IMAGE DATA

Image data format is command selectable as either:

8-bit grayscale data (1 pixel per 8-bit data byte) or

Bitonal (b/w) data (8 pixels per data byte)

TEMPERATURE

Operating: +0°C to + 50°C

Storage: -25°C to + 60°C

With Ink Jet

Operating: +10°C to + 40°C

Storage: -5°C to + 55°C **

** Limits of storage temperature apply only when the ink-jet cartridge is sealed in its original package (as shipped from HP and PDI). After the cartridge is installed in the scanner, storage temperature is replaced by the values shown for ink-jet operating temperature.

RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%

Storage: 10 to 90%

With Ink Jet

Operating: 10 to 80%

Storage: 10 to 90%

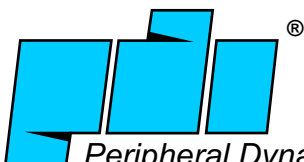
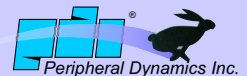
APPLICATIONS

ENGINEERING ASSISTANCE

If you have specific requirements, call and challenge us. We make custom solutions our business.

RELATED PDI EQUIPMENT

- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- Special Purpose Impact Printers



SCANNING NEW HORIZONS IN DATA ENTRY

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Highest Quality Image Available Anywhere!



*The New Half-Page
Image Scanner that
Lets You Scan Both
Sides of a Form
Simultaneously at a
Fast 22 ips!*



**SCAN FORMS FROM A
HALF-PAGE SIZE (A6) DOWN TO
2.75 INCH-WIDE FORMS IN
8-BIT GRAYSCALE OR BITONAL**

It's here....the New EZscan IV from PDI...the high-speed half-page scanner that provides the highest quality image available on the market. EZscan IV is ideal for a variety of applications including point of sale for lottery, wagering, test scoring, banking and business forms.

EZscan IV automatically transports and scans forms from A6-size down to 2.75 inch-wide personal checks...and its bi-directional transport permits straight through or reciprocating operation. EZscan IV connects with a high-speed USB 2.0 port and can scan both sides of a form simultaneously. The scanner's hardware and software automates form design, expedites form handling and simplifies data decoding.

The scanner captures document images with command selectable at 100, 200 or 400 dpi and scans forms on a line-by-line basis up to 22 ips. Image data is available in 8-bit grayscale or bitonal (b/w) formats. Proprietary PC software decodes mark-sense data (OMR), OCR, bar code and MICR data. The mechanism is modular and is designed for an easy fit as an OEM subassembly into most terminal enclosures.

TAKE A LOOK AT THE MANY FEATURES OF EZscan IV

- Bi-directional transport permits straight through (eject rear) or reciprocating (eject front) operation....with the ability to pay Brand or cancel a paid ticket with a high-density thermal print head or ink-jet print head prior to ejecting
- An advanced optical system design provides the highest quality image available by minimizing sensitivity to creases and folds which results in unparalleled accuracy and successful data decode
- Handles forms in sizes ranging from 2.75" wide personal checks up to a maximum of 4.25" W. x 11.00" L. or A6-size documents
- Contains document skew correction software
- Scans and transmits image data at 100, 200 or 400 dpi (command selectable)
- Hinged transport design opens effortlessly for easy access to the document path for read head cleaning
- Optional inkjet print head available for endorsing checks or other printing requirements

FOR THE FULL SCOOP ON EZscan IV, CONTACT US TODAY.



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The Versatile High Speed Half-Page Image Scanner

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

+24 VDC \pm 5% @ 32W

WITH THERMAL PRINTER OPTION

+24 VDC \pm 5% @ 65W

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 3 lbs.

DATA DETECTION / SCAN HEAD

Scan head is 100, 200 or 400 dpi. Scanning is reflective minimizing the effect of creases and wrinkles on the document. Optional light sources, 660nm red for red dropout for OMR applications or 565nm yellow-green for detection of a wider spectrum of ink colors. Light sources designed for shadow-free illumination.

DOCUMENT SPEED/TRANSPORT TIME

Transport scanning speed up to 22 in/sec @ 200 dpi

Transport speed (thermal printing): 1.0 in/sec (minimum)

IMAGE DATA

Image data format is command selectable as either:

8-bit grayscale data (1 pixel per 8-bit data byte) or

Bitonal (b/w) data (8 pixels per data byte)

TEMPERATURE

Operating: +0°C to + 50°C

Storage: -25°C to + 60°C

With Ink Jet

Operating: +10°C to + 40°C

Storage: -5°C to + 55°C **

** Limits of storage temperature apply only when the ink-jet cartridge is sealed in its original package (as shipped from HP and PDI). After the cartridge is installed in the scanner, storage temperature is replaced by the values shown for ink-jet operating temperature.

RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%

Storage: 10 to 90%

With Ink Jet

Operating: 10 to 80%

Storage: 10 to 90%

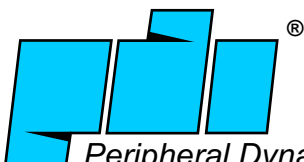
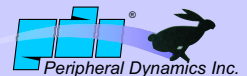
APPLICATIONS

ENGINEERING ASSISTANCE

If you have specific requirements, call and challenge us. We make custom solutions our business.

RELATED PDI EQUIPMENT

- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- Special Purpose Impact Printers



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Quality Images that Give **YOU** the Competitive Edge!



*The Newest 3.25" Image Scanner that
Lets you Scan your OMR cards
And Much More at a Fast 22 IPS at
200 & 300 DPI or 5.5 IPS At 600 DPI.*

**OMR & OCR
1D & 2D BARCODES
IMAGE CAPTURE
THERMAL PRINTING**

New + Features

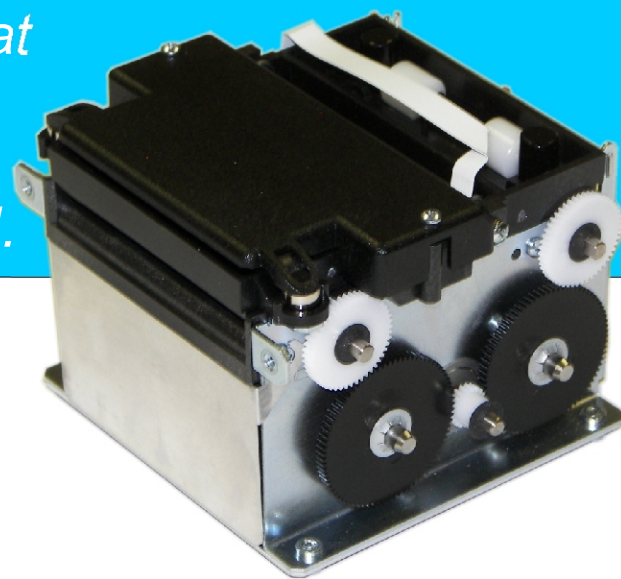
Increase the native resolution to 600 dpi.

Providing the selection of 200, 300 and 600 dpi.

Increase the transports ability to move damaged documents.

Two rows of LEDs to improve images from damaged documents.

Color ready as an optional feature.



The newest UltraScan from PDI is the latest addition to our very successful line of document image scanners. This high-speed 3.25" document scanner provides the highest quality images available in the industry. UltraScan can be used as a replacement for our tried and true VMR-138 OMR and will also provide the additional ability to decode OCR, Bar Codes and capture full or partial images with optional Thermal Printing. UltraScan is designed to meet the stringent requirements of the OEM terminal manufacturer. UltraScan can handle all your applications - including processing Lottery, Bingo, Keno, Parimutuel, Test Scoring, Prescriptions, Parking, Healthcare, Surveys, Business forms and more.

UltraScan automatically transports and scans 3.25" wide forms and its bi-directional transport permits straight through or reciprocating operation. UltraScan interfaces to its host via a high-speed USB 2.0. The scanner's hardware and software automates form design, expedites form handling and simplifies data decoding. UltraScan allows the user to choose the mode of operation. The user can decode the data in the unit and send just a small decoded string of data thereby reducing the overhead on the terminal or have the full or partial image sent to the terminal for decoding and any other post processing as required by your application.

The scanner captures document images at 200, 300 or 600 dpi and scans forms on a line-by-line basis. Image data is available in 8-bit grayscale or bitonal (b/w) formats. PDI supplied Proprietary PC software or internal selectable code interprets optical mark-sense (OMR), optical character recognition (OCR) and bar code (BCR). The mechanism is modular and flips open easily for cleaning or the removal of foreign objects. UltraScan is designed with the smallest Footprint available in a scanner of this class to allow easy integration in any OEM terminal enclosure.

FOR THE FULL STORY ON UltraScan+, CONTACT US TODAY.



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UltraScan+

The Versatile High Speed 3.25" Image Scanner

SPECIFICATIONS

DC POWER REQUIREMENTS

+24 VDC \pm 5% @ 18W (0.75A) (max., scanning)
30W (1.25A) (max., For thermal printing option)

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 2 lbs.

DATA DETECTION / SCAN HEAD

Scan head array contains 2048 pixels at 24 dpm (600 dpi). Scanning is monochrome Red LED light source

SCAN SPEED

Transport scanning speed: 22 ips at 200 & 300 dpi or 5.5 ips at 600 dpi

IMAGE DATA

Image data format is command selectable as either:
8-bit grayscale data (1 pixel per 8-bit data byte) or
Bitonal (b/w) data (8 pixels per data byte)

TEMPERATURE

Operating: +5°C to +50°C (with brander option)
Operating: +0°C to +50°C (without brander option)
Storage: -25°C to +60°C

HUMIDITY

Operating: 10 to 85% RH non-condensing
Storage: 10 to 90% RH non-condensing

THERMAL PRINTING

48mm print line centered in paper path
8 dpm print resolution
Print speed at 8 dpm: 1.76 in/sec

APPLICATIONS ENGINEERING ASSISTANCE

If you have specific requirements,
call and challenge us. We make
custom solutions our business.

RELATED PDI EQUIPMENT

- Batch Feed Image Scanners
- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- RFID Readers
- Card Dispensers
- Ticket Issuing Machines
- Scanning Software & Developer's Tool Kits



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2/18

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Quality Images that Give YOU the Competitive Edge!



UltraScan+

The Newest 3.25" Image Scanner that lets you Scan your OMR cards and Much More at a Fast 22 IPS at 200 & 300 DPI or 5.5 IPS at 600 DPI In a Stand-Alone Table-Top Version!

**OMR & OCR
1D & 2D BARCODES
IMAGE CAPTURE
THERMAL PRINTING**

New + Features

Increase the native resolution to 600 dpi.

Providing the selection of 200, 300 and 600 dpi.

Increase the transports ability to move damaged documents.

Two rows of LEDs to improve images from damaged documents.

Color ready as an optional feature.



The newest UltraScan from PDI is the latest addition to our very successful line of document image scanners. This high-speed 3.25" document scanner provides the highest quality images available in the industry. UltraScan can be used as a replacement for our Tried and True VMR-138 OMR and will also provide the additional ability to decode OCR, Barcodes and capture full or partial images with optional Thermal Printing. UltraScan is designed to meet the stringent requirements of the OEM terminal manufacturer. UltraScan can handle all your applications - including processing Lottery, Bingo, Keno, Parimutuel, Test Scoring, Prescriptions, Parking, and Healthcare, Surveys, Business forms and more.

UltraScan automatically transports and scans 3.25" wide forms and its bi-directional transport permits straight through or reciprocating operation. UltraScan interfaces to its host via a high-speed USB 2.0. The scanner's hardware and software automates form design, expedites form handling and simplifies data decoding. UltraScan allows the user to choose the mode of operation. The user can decode the data in the unit and send just a small decoded string of data thereby reducing the overhead on the terminal or have the full or partial image sent to the terminal for decoding and any other post processing as required by your application.

The scanner captures document images at 200, 300 or 600 dpi and scans forms on a line-by-line basis. Image data is available in 8-bit grayscale or bitonal (b/w) formats. PDI supplied Proprietary PC software or internal selectable code interprets optical mark-sense (OMR), optical character recognition (OCR) and bar code (BCR). The mechanism is modular and flips open easily for cleaning or the removal of foreign objects. UltraScan is designed with the smallest footprint available in a scanner of this class to allow easy integration in any OEM terminal enclosures.

FOR THE FULL STORY ON UltraScan+, CONTACT US TODAY.



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The Versatile High Speed 3.25" Image Scanner

PRELIMINARY SPECIFICATIONS

DC POWER REQUIREMENTS

+24 VDC $\pm 5\%$ @ 18W (0.75A) (max., Scanning)
30W (1.25A) (max., for thermal printing option)

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 2 lbs.

DATA DETECTION / SCAN HEAD

Scan head array contains 2048 pixels at 24 dpm (600dpi). Scanning is monochrome Red LED light source

SCAN SPEED

Transport scanning speed: 22 ips at 200 & 300 dpi or 5.5 ips at 600 dpi

IMAGE DATA

Image data format is command selectable as either:
8-bit grayscale data (1 pixel per 8-bit data byte) or
Bitonal (b/w) data (8 pixels per data byte)

TEMPERATURE

Operating: +5°C to +45°C
Storage: -25°C to +60°C

RELATIVE HUMIDITY (non-condensing)

Operating: 10 to 85%
Storage: 5 to 95%

THERMAL PRINTING

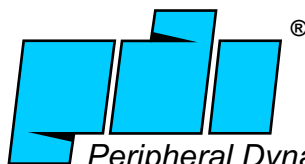
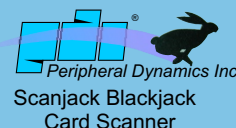
48mm print line centered in paper path
8 dpm print resolution
Print speed at 8 dpm: 0.5 in/sec

APPLICATIONS ENGINEERING ASSISTANCE

If you have specific requirements,
call and challenge us. We make
custom solutions our business.

RELATED PDI EQUIPMENT

- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- RFID Reader/Writers
- Card Dispensers
- Ticket Issuing Machines
- Color ID Card Printers
- Scanning Software & Developer's Tool Kits



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Highest Quality Image Available Anywhere!

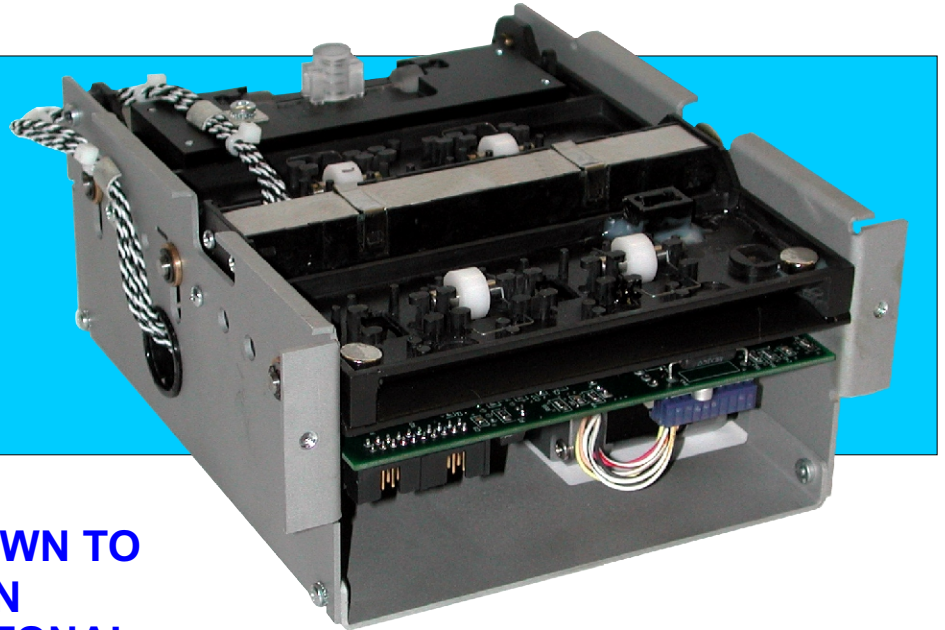


scan



Check Scanner

*The Half-Page
Image Scanner that
Lets You Scan Both
Sides of a Form
Simultaneously at a
Fast 22 ips!*



**SCAN FORMS FROM A
HALF-PAGE SIZE (A6) DOWN TO
2.75 INCH-WIDE FORMS IN
8-BIT GRAYSCALE OR BITONAL**

It's here....the EZscan III from PDI...the high-speed half-page scanner that provides the highest quality image available on the market. EZscan III is ideal for a variety of applications including processing lottery, wagering and test score forms as well as scanning bank checks and business forms.

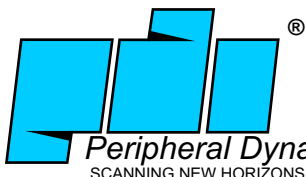
EZscan III automatically transports and scans forms from A6-size down to 2.75 inch-wide personal checks...and its bi-directional transport permits straight through or reciprocating operation. EZscan III interfaces to its host via a high-speed USB 2.0 serial port and can scan both sides of a form simultaneously. The scanner's hardware and software automates form design, expedites form handling and simplifies data decoding.

The scanner captures document images at 8 dpm, dots per millimeter, (approximately 200 dpi) and scans forms on a line-by-line basis at 22 ips. Image data is available in 8-bit grayscale or bitonal (b/w) formats. Proprietary PC software interprets mark-sense (OMR), optical (OCR) and bar code (BCR) data. The mechanism is modular and designed to fit as an OEM subassembly into most terminal enclosures.

TAKE A LOOK AT THE MANY FEATURES OF EZscan III

- Bi-directional transport permits straight through or reciprocating operation....with ability to audit information that has been printed utilizing a high-density thermal brander
- Advanced optic system design provides the highest quality image available by minimizing sensitivity to creases and folds in documents. This results in unparalleled archival data and higher accuracy of decoded data
- Handles forms with widths ranging from 2.75" wide personal checks up to forms 4.25" W. x 11.00" L. or A6-size documents
- Contains document skew correction software
- Scans and transmits image data at 100 or 200 dpi (command selectable)
- Easy access straight through document path for cleaning and to minimize paper jams
- Optional internal thermal print head or inkjet print head available

FOR THE FULL SCOOP ON EZscan III, CONTACT US TODAY.



Peripheral Dynamics Inc.
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The Versatile High Speed Half-Page Image Scanner

GENERAL SPECIFICATIONS

DC POWER REQUIREMENTS

+24 VDC \pm 10% @ 32W

WITH THERMAL PRINTER OPTION

+24 VDC \pm 10% @ 65W

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 3 lbs.

DATA DETECTION / SCAN HEAD

Scan head array contains 896 pixels at 8 dpm (200 dpi). Scanning is reflective with advanced light sources (wavelength 660 or 575nm) for shadow-free illumination.

DOCUMENT SPEED/TRANSPORT TIME

Transport scanning speed: 22 in/sec

Transport speed (inkjet strip, printing): 22 in/sec
(thermal printing): 1.0 in/sec (minimum)

IMAGE DATA

Image data format is command selectable as either:
8-bit grayscale data (1 pixel per 8-bit data byte) or
Bitonal (b/w) data (8 pixels per data byte)

TEMPERATURE

Operating: +5°C to + 45°C

Storage: -25°C to + 60°C

HUMIDITY

Operating: 10 to 85% RH non-condensing

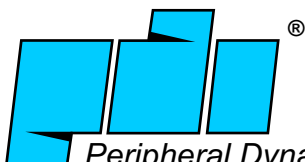
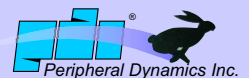
Storage: 5 to 95% RH non-condensing

APPLICATIONS ENGINEERING ASSISTANCE

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custom solutions our business.

RELATED PDI EQUIPMENT

- Batch Feed Image Scanners
- Dual-Sided Check & Document Scanners
- Full-Page Image Scanners
- Multi-Function Image Capture Scanners
- Optical Mark Sense Readers & Reader/Printers
- Magnetic Stripe/Smart Card Readers
- Custom Scanners for Lottery, Race Tracks, etc.
- Customized Form Design & Printing
- Casino Blackjack Scanners
- RFID Reader/Writers
- Card Dispensers
- Ticket Issuing Machines
- Color ID Card Printers
- Scanning Software & Developer's Tool Kits



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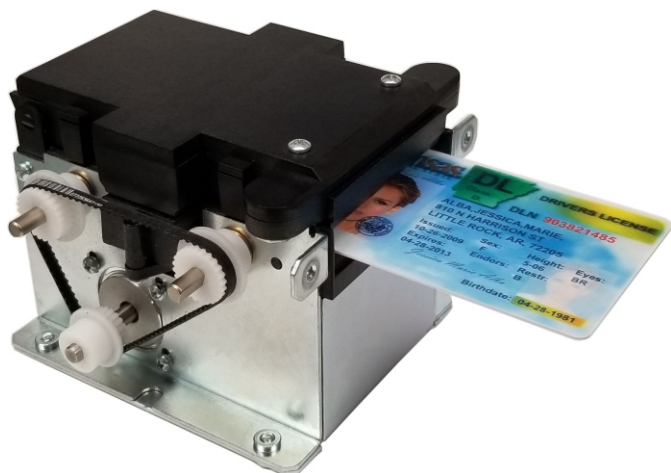
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Quality Images that Give **YOU** the Competitive Edge!

DriversScan

***Scans Driver's Licenses and ID Cards at 300/600 DPI
Full Color in Duplex Mode***

**IMAGE CAPTURE
1D, 2D & PDF 417 BARCODES
MRZ OCR**



- Duplex mode scans front and back of document in one pass.
- Hinged card path for easy cleaning.
- Downloadable firmware allowing for field updates.
- Accepts driver's licenses, credit cards and other Cr80 (2.125" x 3.75") sized ID Cards.
- Output image is selectable: Full Color, IR, and Monochrome.
- Decode - ICAO compliant documents: MRZ Optical character recognition available with PDI software.
- Decode Barcodes - 1D, 2D including PDF 417 with PDI software.
- Size 3.125" H x 3.960" W x 4.035" L.
- Standard 300/600 DPI resolution.
- Windows and Linux compatible.

For The Full Story On DriversScan, Contact Us Today.

DriversScan

The Versatile High Speed Image Scanner

SPECIFICATIONS

DC POWER REQUIREMENTS

+24VDC $\pm 5\%$ @ 24W

WEIGHT

The total weight of the scanner, including mechanism and PC assemblies, is approximately 1.2 lbs.

SIZE

3.125" H x 3.960" W x 4.035" L

DATA DETECTION / SCAN HEAD

Scan head array contains 12/24 dpm (305/610 dpi). Full color scanning.

SCAN SPEED

Transport scanning speed: 305 dpi, 15 ips $\pm 1\%$ in monochrome & 5 ips in color.
610 dpi, 9 ips in monochrome & 3 ips in color.

IMAGE TYPE

Full 24 bit Color, IR, 8 bit Monochrome or a combination of any of these in one pass.

TEMPERATURE

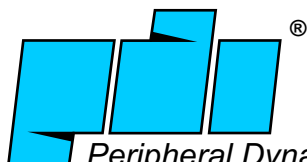
Operating: +0°C to +50°C
Storage: -25°C to +60°C

HUMIDITY

Operating: 10 to 85% RH non-condensing
Storage: 10 to 90% RH non-condensing

APPLICATIONS ENGINEERING ASSISTANCE

If you have specific requirements,
call and challenge us. We make
custom solutions our business.



Peripheral Dynamics Inc.
SCANNING NEW HORIZONS IN DATA ENTRY

RELATED PDI EQUIPMENT

- Image Document Scanners including OMR-OCR-BCR
- Optical Mark Sense Scanners with Optional Printers
- Driver's License Scanners
- ID Card Scanners
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