



**CELLAVISION<sup>®</sup> DM1200**  
**Cell Image Analysis System**

*Designed for the Mid-Volume Lab*



# Specifications

## PERFORMANCE SPECIFICATIONS

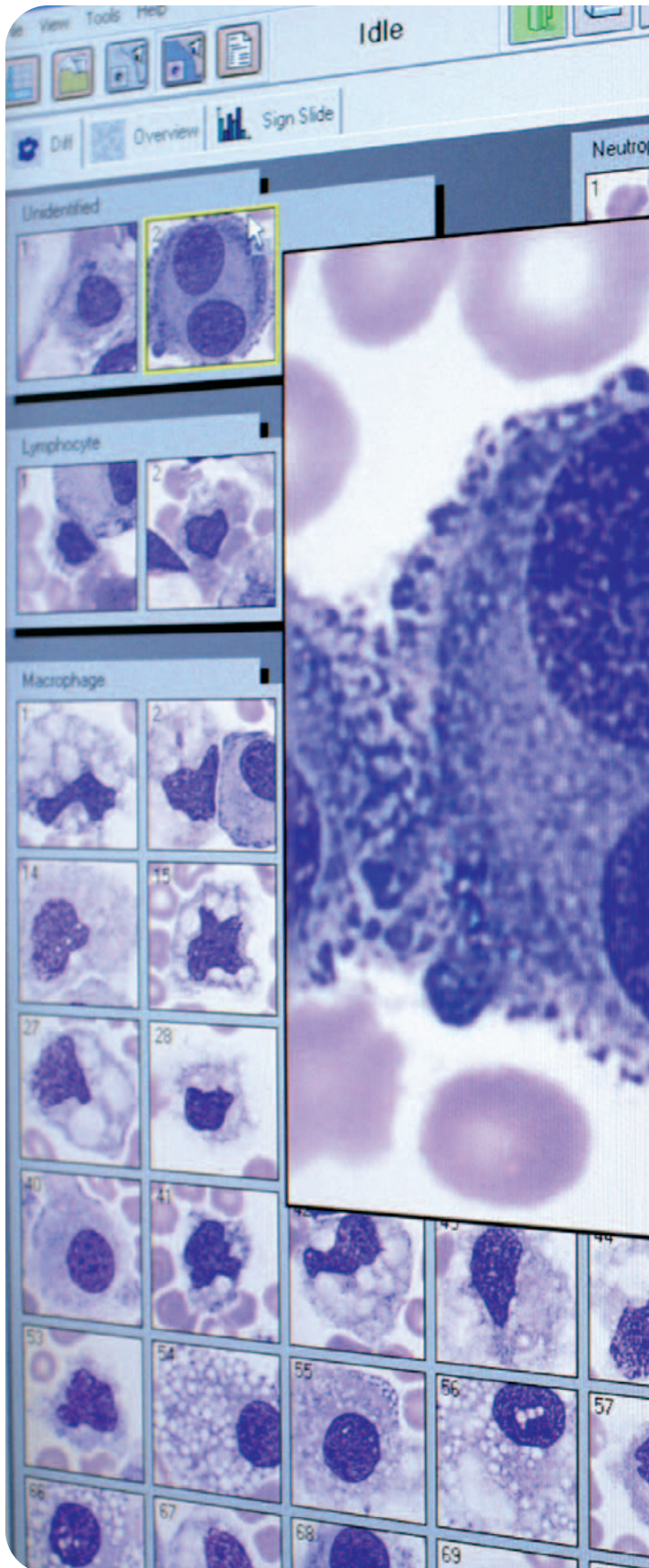
Slide preparation methods (wedge)	<ul style="list-style-type: none"><li>Automated slide maker and stainers</li><li>HemaPrep<sup>®</sup>/MiniPrep<sup>®</sup> blood smearing device</li><li>Manual smears</li></ul>
Stains	Romanowsky stains (May Grünwald Giemsa, Wright Giemsa, Wright)
Number of Cells Counted	User definable (Default:100)
Slide handling	Requires barcode labeled slides with clipped/round corners <ul style="list-style-type: none"><li>Slides are loaded into a magazine with the capacity of 12 slides</li></ul>
Slide Capacity	On board capacity of 12 slides
Slide Image Size	100 WBC's ~ 5MB 100 WBC + RBC: ~ 6MB 100 WBC + RBC + PLT: ~ 6MB
Digital Slides	Up to 20 slides/hr for 10 x 10mm in 10x Up to 1.5 slides/hr for 10 x 10mm in 10x + 50x
Immersion oil	<ul style="list-style-type: none"><li>Automatic dispensing</li><li>Easy replacement of oil pack</li></ul>
Quality control	Cell location accuracy test for the verification of the hardware and stain quality
Archiving of results and images	Supported media: CD-R/CD-RW and LAN
Storage capacity	Primary storage: On local hard drive up to 4,000 slides (20 GB) <ul style="list-style-type: none"><li>Secondary storage: Unlimited when transferred to external storage media</li></ul>

## INSTRUMENT SPECIFICATIONS

Printer support	Laser/inkjet printers supported by Windows <sup>®</sup> XP
Communications	Bi-directional LIS support, ASTM <ul style="list-style-type: none"><li>Ethernet 10/100 Mbps</li><li>Multiple CellaVision DM analyzers can share a database</li></ul>
System components	Slide Scanning Unit <ul style="list-style-type: none"><li>CellaVision<sup>®</sup> DM Software</li><li>PC with Windows XP</li></ul>
Electronic Specifications	Slide Scanning Unit: 1A/2A <ul style="list-style-type: none"><li>Voltage input: 230/115 VAC</li><li>Current input: System computer: 3A/6A</li></ul>
Size (W x D x H)	576 x 450 x 710 mm 22.7 x 17.7 x 28.0 inches
Weight	80 kg/176 lbs
Throughput	Peripheral Blood <ul style="list-style-type: none"><li>Up to 20 slides/hour for complete differential (100 WBC+RBC+PLT)</li></ul>
Accessories	<ul style="list-style-type: none"><li>Barcode labeled slide magazines</li><li>Immersion Oil Packs</li><li>QC barcode labels</li></ul>

# System Overview

*CellaVision DM1200 can easily become a part of any hematology workflow.*



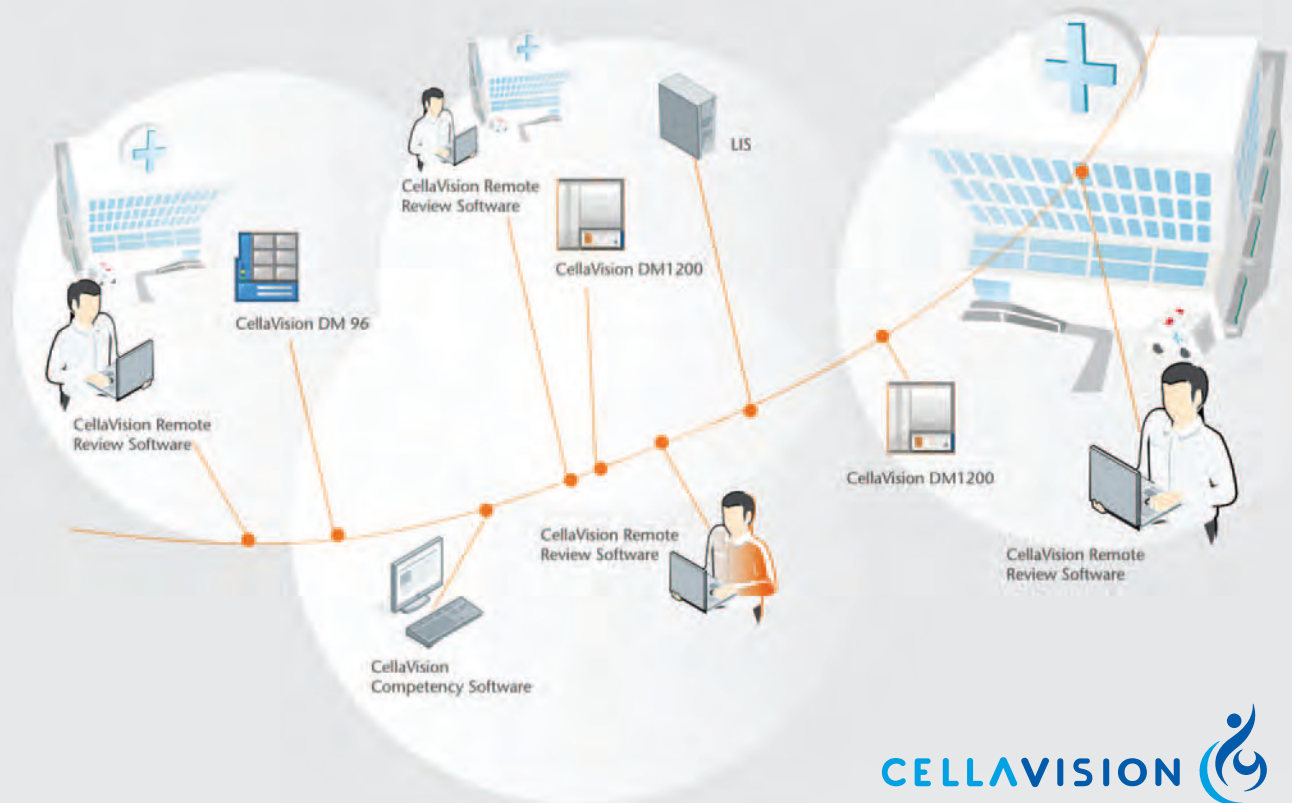
## Efficiency, Proficiency & Collaboration

The CellaVision DM1200 offers a high degree of automation, allowing for an escalating workload without increasing labor. This technology delivers improved ergonomics when compared to using a microscope. It also allows for more effective, on-going education and competency assessment of all medical technologists.

### Key Benefits:

- Automatically locates and presents images of cells on blood smears
  - Differential count of white blood cells
  - Characterization of red blood cell morphology and platelet estimation
- Automates workflow
  - Reduces the time consumed on smear review, allowing technologists more opportunity for other tasks.
  - Streamlines collaboration with medical services to provide pertinent diagnostic information.
- Enables training and morphological standardization
  - Enhances training/cross-training for staff throughout the laboratory by utilizing large, customizable, on-board reference libraries and optional competency software.
- Scans a user-defined part of a microscope slide
  - Allows for discussion between physicians regardless of physical location.
  - Regions of Interest on the slide can be tagged and comments can be added. Images and comments can be exported to presentations and educational materials.

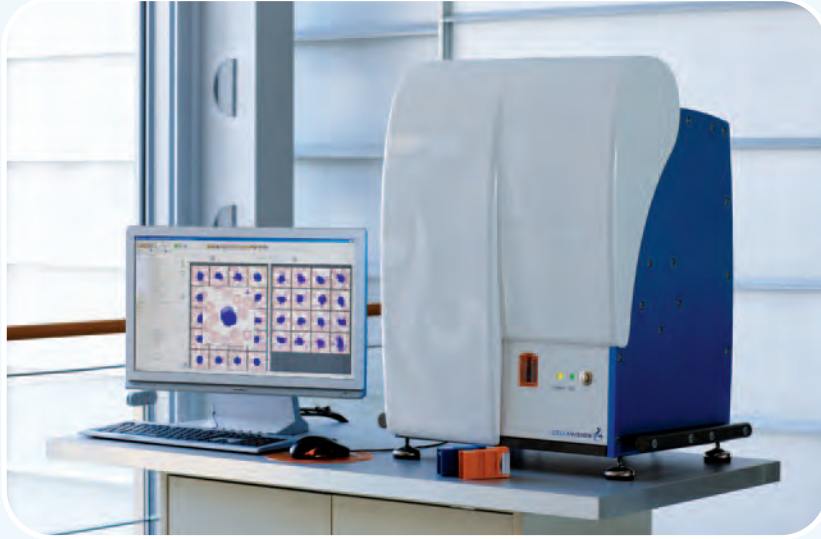
## Share Results Anywhere



The CellaVision DM1200 can share a database with other CellaVision DM analyzers installed at the same facility or a remote location. This allows integrated delivery networks to flexibly utilize remote staffing and expertise for both morphological and pathological reviews.

The DM1200 supports bi-directional LIS communication, which reduces the potential for transcription errors and streamlines the reporting of results.

# Efficiency, Proficiency, Collaboration

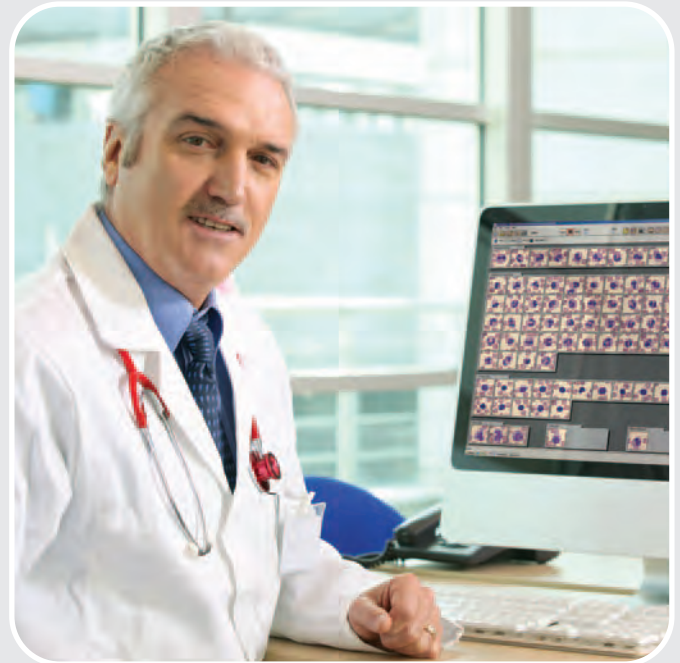


## DM1200 Efficiency and Proficiency

The DM1200 can reduce the time spent performing differentials or training new technologists. With the optional Competency Software Package, managers can set up cases to test and document the proficiency of their staff.

### DM1200 offers a high degree of automation

- Optimized Workload Management
- Reduced Eye Strain
- On-going Education
- Competency Assessment



## DM1200 Collaboration

Functional Review Stations enable supervisory review, inter/intra lab comparison, pathology consultation, and real time collaboration with clinicians through network integration.

### Facilitate Collaboration with Clinicians

- Provides pertinent clinical information
- Enables remote consultation
- Tags specific areas of slides to enable sharing

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