Key Characteristics

<table>
<thead>
<tr>
<th>PANNORAMIC® DESK II MWD</th>
<th>PANNORAMIC® MIDI II</th>
<th>PANNORAMIC® SCANN II</th>
<th>PANNORAMIC® CONFOCAL</th>
<th>PANNORAMIC® 250 Flash III</th>
<th>PANNORAMIC® 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slide loading capacity</td>
<td>1</td>
<td>4</td>
<td>150</td>
<td>11</td>
<td>250</td>
</tr>
<tr>
<td>Double-wide slide compat.</td>
<td>182</td>
<td>182</td>
<td>182</td>
<td>182</td>
<td>182</td>
</tr>
<tr>
<td>Objective type</td>
<td>20x (0.8 NA)</td>
<td>20x (0.8 NA)</td>
<td>20x (1.2 NA)</td>
<td>20x (0.95 NA)</td>
<td>20x (0.95 NA)</td>
</tr>
<tr>
<td>Brightfield camera</td>
<td>5 MP with 12-bit</td>
<td>5 MP with 12-bit</td>
<td>5 MP with 16-bit</td>
<td>5 MP with 16-bit</td>
<td>5 MP with 16-bit</td>
</tr>
<tr>
<td>Technology</td>
<td>and flat lens</td>
<td>and flat lens</td>
<td>with LED illumination</td>
<td>with LED illumination</td>
<td>with LED illumination</td>
</tr>
<tr>
<td>Optical magnification</td>
<td>58x</td>
<td>52x/110x</td>
<td>31x/62x</td>
<td>41x/82x</td>
<td>41x/82x</td>
</tr>
<tr>
<td>Pixel resolution (µm/pix)</td>
<td>0.172</td>
<td>0.172/0.087</td>
<td>0.325/0.162</td>
<td>0.242/0.121</td>
<td>0.25/0.12</td>
</tr>
<tr>
<td>Highest brightfield scan speed*</td>
<td>6 min 30 sec</td>
<td>3 min 23 sec</td>
<td>2 min 30 sec</td>
<td>8 min 35 sec (20x) / 1 min 35 sec (40x)</td>
<td>&lt;1 min (20x or 40x)</td>
</tr>
<tr>
<td>Average brightfield scan speed*</td>
<td>6 min 30 sec</td>
<td>3 min 23 sec</td>
<td>2 min 30 sec</td>
<td>8 min 35 sec (20x) / 1 min 35 sec (40x)</td>
<td>&lt;1 min (20x or 40x)</td>
</tr>
<tr>
<td>Fluorescence scanning speed**</td>
<td>6 min @ 31x</td>
<td>22 min @ 62x</td>
<td>6 min @ 31x</td>
<td>22 min @ 62x</td>
<td>18 min @ 31x</td>
</tr>
<tr>
<td>Dimensions (W x D x H, cm)</td>
<td>38 x 36 x 25</td>
<td>75 x 40 x 50</td>
<td>24 x 13 x 45</td>
<td>57 x 28 x 103</td>
<td>68 x 49 x 55</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>11</td>
<td>23</td>
<td>26</td>
<td>100</td>
<td>46</td>
</tr>
</tbody>
</table>

*15x15 mm area
**Structured illumination confocal imaging
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*Data from 3DHISTECH.
**Additional 4 MP or 6 MP flat lens 6 MP flat lens with wideband 6-channel LED 5.5 MP with 16-bit camera with wideband 6-channel LED Additional 4 MP or 6 MP flat lens with 1-channel LED
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CaseCenter slide management system
- Fully featured slide database
- Capable of storing both macroscopic images and digital slides

Exam Module
- Comprehensive medical education and examination software

CaseViewer slide viewing application
- Designed to support the diagnostic workflow
- Enables teleconsultation on digital slides

QuantCenter image analysis tools for automated quantitative evaluation
- Multiple image analysis modules (CE-certification for breast panel analysis)

CaseManager pathology information system
- Patient-case management system from digitalization, through pathologist assignment, primary inspection, additional orders, consultation and image analysis to creating a tumor board presentation

Track & Sign
- Comprehensive laboratory information system from case registration to digitalization

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The widest range of award-winning whole-slide scanning solutions tailored to the needs of clinical pathology, research and education

Faster diagnosis
Flexible, accurate research
Efficient education
Digital pathology, whether routine or research, starts with a whole-slide scanner suited to the often very diverse needs of routine clinical laboratories, pharmaceutical companies or research institutes.

The PANNORAMIC® family is the most comprehensive product range on the digital slide scanner market. From affordable single-slide to high-speed 1000-slide capacity, from high-quality brightfield to versatile brightfield and fluorescence scanning in the same device, for normal or double-width slides, PANNORAMIC® scanners offer a scanning solution tailored to any need - contributing to faster and more precise diagnosis, more accurate research results and more efficient medical education.

### PANNORAMIC® 1000

Thanks to its unprecedented capacity and unparalleled speed, PANNORAMIC® 1000 offers automated, “walk away” slide scanning for a whole day’s scanning needs, speeding up the workflow and freeing up valuable lab resources for other important tasks. Recommended for labs processing around 200,000 slides per year.

**Key Features**
- Capacity: 1000 slides
- Speed: up to 100 slides/hour
- Flexibility: 100x magnification, arbitrary-order scanning, single and double-width slide scanning
- Flash scanning technology
- Automatic loading

### PANNORAMIC® 250 Flash III

Thanks to its award-winning Flash scanning technology, PANNORAMIC® 250 offers a versatile, high-quality and high-speed scanning solution to high-volume scanning tasks. Recommended for labs processing around 110,000 slides per year.

**Key Features**
- Capacity: 250 slides
- Speed: 54 slides/hour
- Brightfield and up to 9-channel fluorescent scanning
- Automatic loading
- Automatic switching between brightfield and fluorescent scanning based on profile content

### PANNORAMIC® Scan II

PANNORAMIC® Scan is a high-capacity, all-round slide scanner for labs processing around 35,000 slides per year.

**Key Features**
- Capacity: 150 slides
- Brightfield and up to 9-channel fluorescent scanning
- Automatic loading
- Automatic switching between brightfield and fluorescent scanning based on profile content

### PANNORAMIC® Confocal

Owing to its innovative structured illumination confocal imaging, PANNORAMIC® Confocal offers brightfield and fluorescence confocal scanning in unprecedented quality for molecular pathology applications at low running costs, contributing to increased productivity for research laboratories.

**Key Features**
- Capacity: 11 slides
- Colocalized brightfield and fluorescent scanning
- Innovative structured illumination confocal imaging
- Motorized slide loading
- Immersion objective
- Automatic switching between brightfield and fluorescent scanning based on profile content

### PANNORAMIC® Midi II

PANNORAMIC® Midi is an award-winning all-round digital slide scanner with an affordable fluorescent scanning option for low-volume slide scanning.

**Key Features**
- Capacity: 12 slides
- Brightfield and up to 9-channel fluorescent scanning
- Automatic loading
- Compact design - small footprint
- Automatic switching between brightfield and fluorescent scanning based on profile content

### PANNORAMIC® Desk II DW

PANNORAMIC® Desk is an entry-level slide scanner for research, education and clinical routine diagnosis, a simple and easy-to-use tool for teleconsultation and frozen section scanning.

**Key Features**
- Capacity: 1 slide
- Single and double-width glass slide scanning
- Brightfield
- Compact design - small footprint

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**OUR AWARDS**

The 1st International Digital Scanner Contest (ISC) in Berlin, 2010: 1st place for “Image Quality 40x”

5 awards at the 2nd International Digital Scanner Contest (ISC) in Berlin, 2012: Image Quality, High Throughput, Image Analysis, Technical and Green IT

5 awards at the 3rd International Digital Scanner Contest (ISC) in Berlin, 2016: Image Quality, High Throughput and Technical