Complementary Software Solutions by 3DHISTECH

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 (with IVD 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

Key Characteristics

	PANNORAMIC® DESK II DW	PANNORAMIC® MIDI II	PANNORAMIC® SCAN II	PANNORAMIC® CONFOCAL	PANNORAMIC® 250 Flash III	PANNORAMIC® 1000
Slide loading capacity	1	12	150	11	250	1000
Double width slide compatible	Yes	–	–	–	–	Yes
Objective type	20x (NA 0.8) or 40x (NA 0.95)	20x (NA 0.8) and 40x (NA 0.95)		20x (NA 0.8) and 40x (NA 1.2)	20x (NA 0.8) and 40x (NA 0.95)	
Brightfield scanning technology	5 MP 12 bit camera with RGB illumination (3-chip equivalent)	5 MP 12 bit OR 4.2 MP 16 bit camera with RGB illumination (3-chip equivalent)		5.5 MP 16 bit camera with RGB illumination	12 MP 12 bit camera with Xenon Flash illumination	
Optical magnification	58x	52x and 110x / 31x and 62x		31x/62x	41x/82x	41x/82x
Pixel resolution (µm/pixel)	0.172	0.172 and 0.087 / 0.325 and 0.162		0.325 / 0.162	0.242 / 0.121	0.25 / 0.12
Highest brightfield scanning speed*	6 min 30 sec	3 min 23 sec	2 min 30 sec	8 min	35 sec (20x) / 1 min 35 sec (40x)	<1 min (20x or 40x)
Average BF file size (native resolution)	2.6 GB (20x) / 7.9 GB (40x)	2.6 GB (20x) / 7.9 GB (40x)	1.2 GB (20x) / 3.7 GB (40x)	1.2 GB (20x) / 3.7 GB (40x)	1.25 GB (20x) / 4.5 GB (40x)	1.25 GB (20x) / 4.5 GB (40x)
Highest throughput/hour	–	15	20	7	54	up to 100
Fluorescence scanning technology	–	5 MP 12 bit OR 4.2 MP 16 bit camera with wideband/6 channel LED		5.5 MP 16 bit camera with 6 channel LED**	Additional 4.2 MP 16 bit camera with 6 channel LED	–
Highest fluorescence scanning speed***	–	6 min @ 31x 22 min @ 62x	6 min @ 31x 31 min @ 62x	18 min @ 31x 70 min @ 62x	5 min @ 31x 15 min @ 62x	–
Dimensions (W x D x H, cm)	38 x 31 x 25	70 x 50 x 50	74 x 53 x 45	97 x 58 x 103	68 x 69 x 55	154 x 100 x 91
Weight (kg)	12	23	26	100	46	270

*15x15 mm area
**Structured illumination confocal imaging
***10x10 mm area, 3 filters, 20 ms exposure

PANNORAMIC® Slide Scanners

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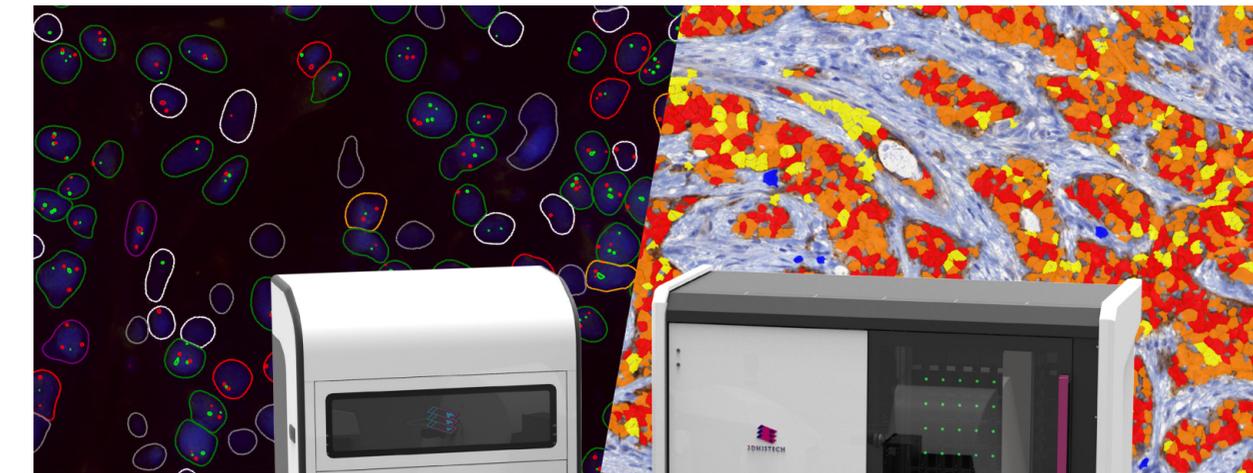
Faster diagnosis
Flexible, accurate research
Efficient education

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.

1. Registration
8. Reporting
2. Grossing
7. Analysis & Consultation
3. Sectioning
6. Special orders
4. Staining
5. Slide Scanning

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

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: 10x-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