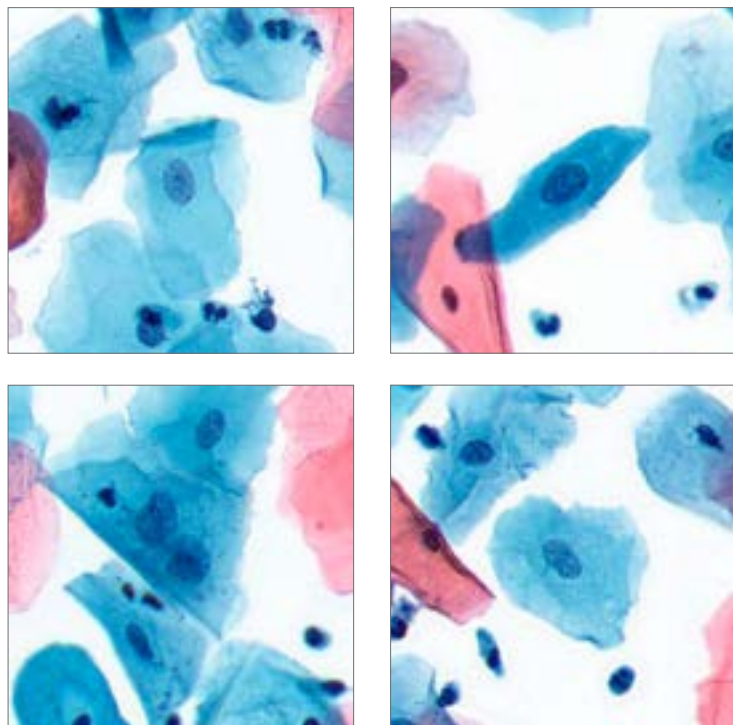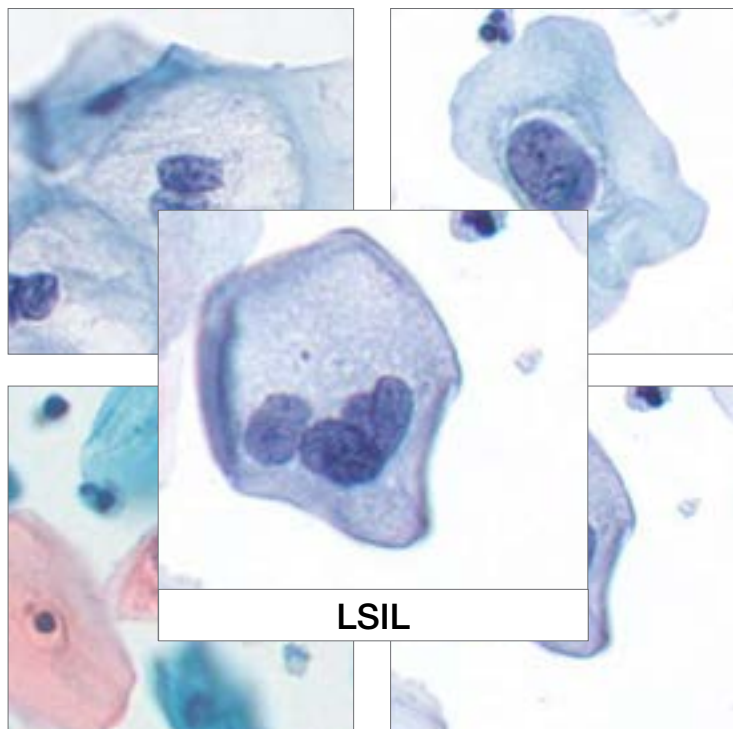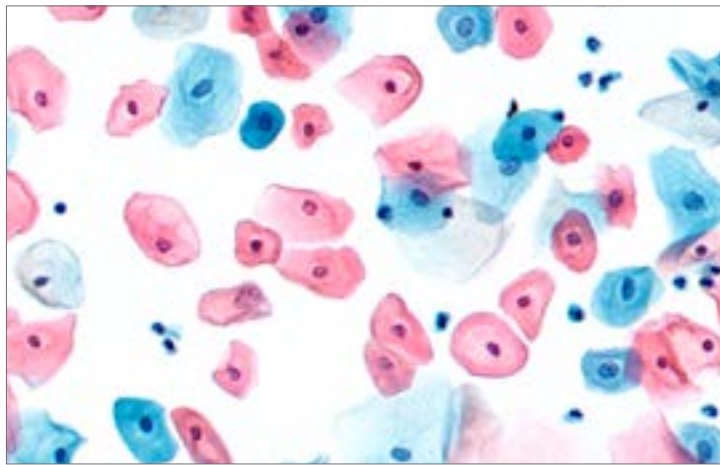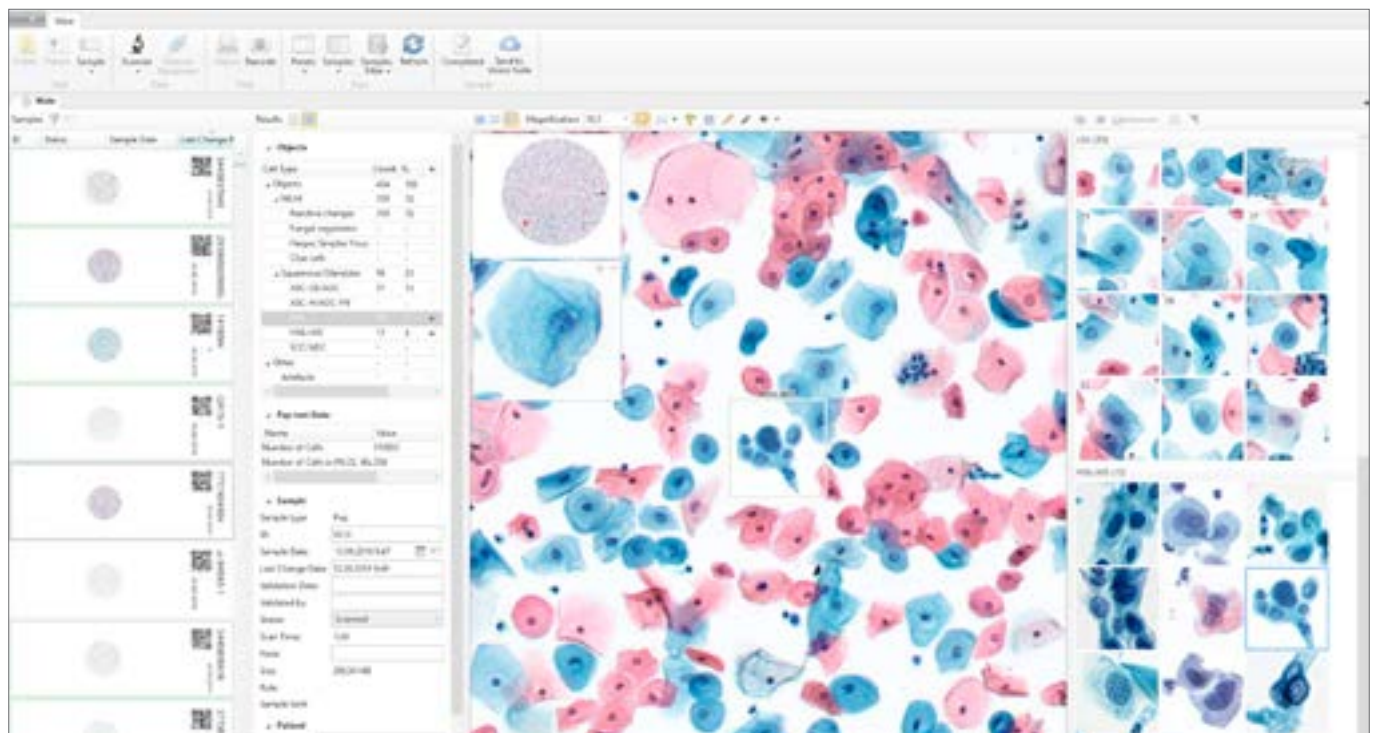# Vision Xplorer
Automated cervical cytology

LSIL

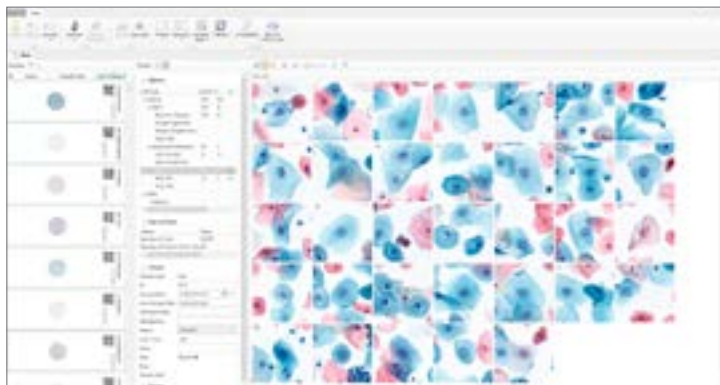# Clinical Application Module
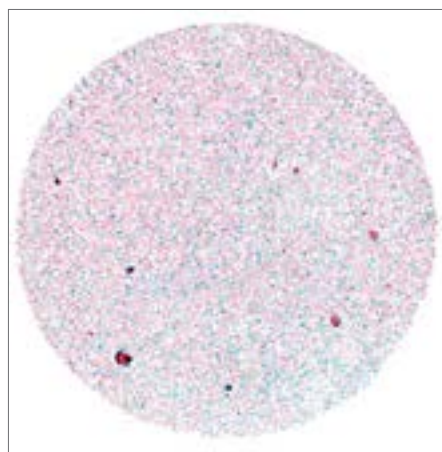# Vision Cyto Pap

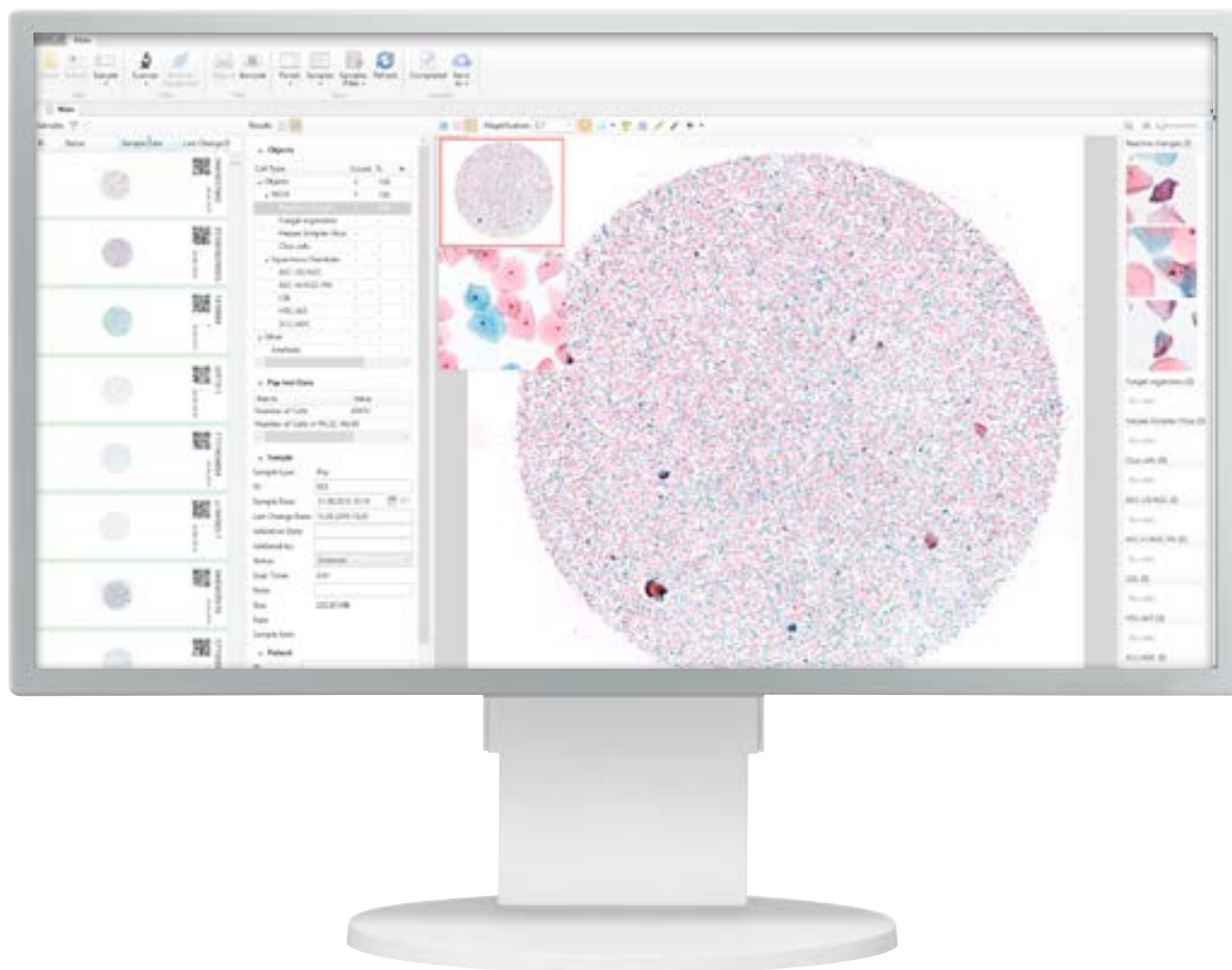
Automation of cervical cytology.

Automatic pre-classification by Bethesda system.

NILM
Reactive changes

Squamous / Glandular
— ASC-US / AGC
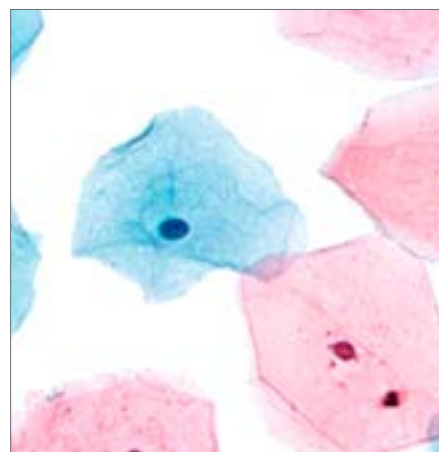— ASC-H / AGC-FN
— LSIL
— HSIL / AIS
— SCC / ADC

— Creating digital sample and cells gallery
— Database for archive management
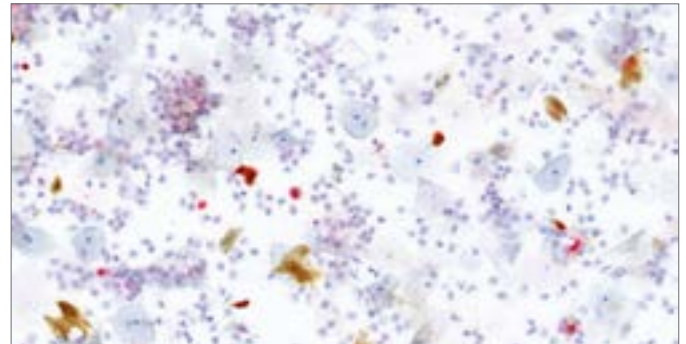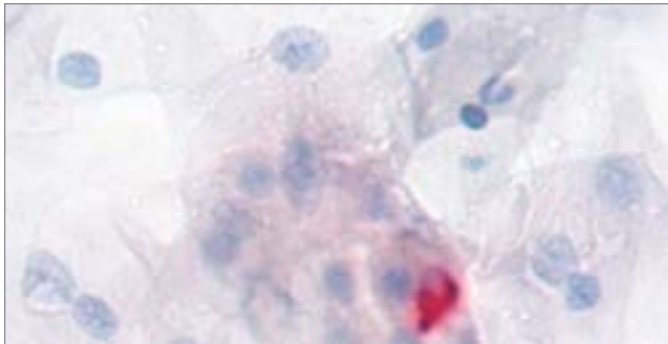— Bi-directional communication with LIS
— Pre-set cell atlas

Digital slide

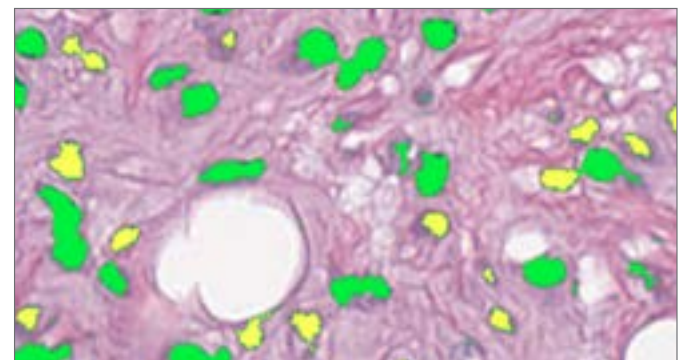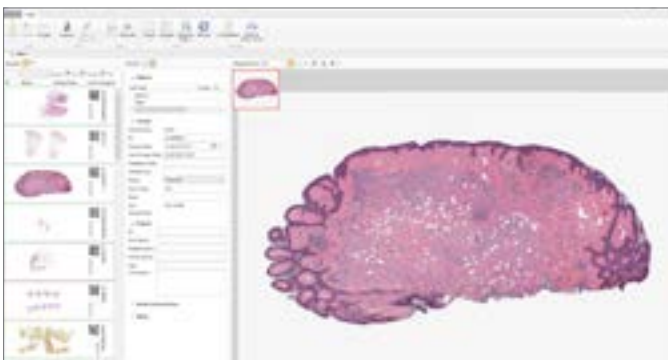20x magnification

40x magnification

Additional Modules
Vision Cyto Pap ICC

Additional examination for cervical cytology
— Assessment of p16/Ki-67 protein expression
— Automatic identification and pre-classification of cells with cytoplasmic and nuclear expression: Low-positive, Positive

Vision Slide

Additional module for histopathological examination
— Objects classification by specified criteria
— Automatic or manual object identification on the digital slide. Measurements of linear and optical parameters for particles
— Make your comments and put marks on a digital slide
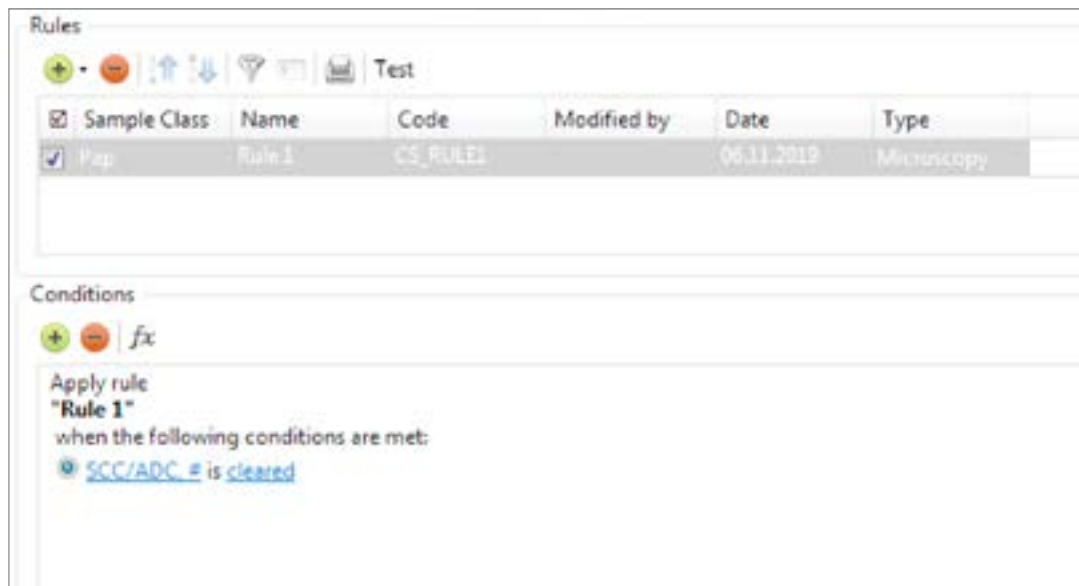
Artificial intelligence

Artificial intelligence (AI) cumulates algorithms and technologies that allow computers to learn and solve intellectual tasks provided by humans.

AI speeds up processing and interpretation of data, and allows to efficiently perform the most comprehensive tasks, including medical image analysis.
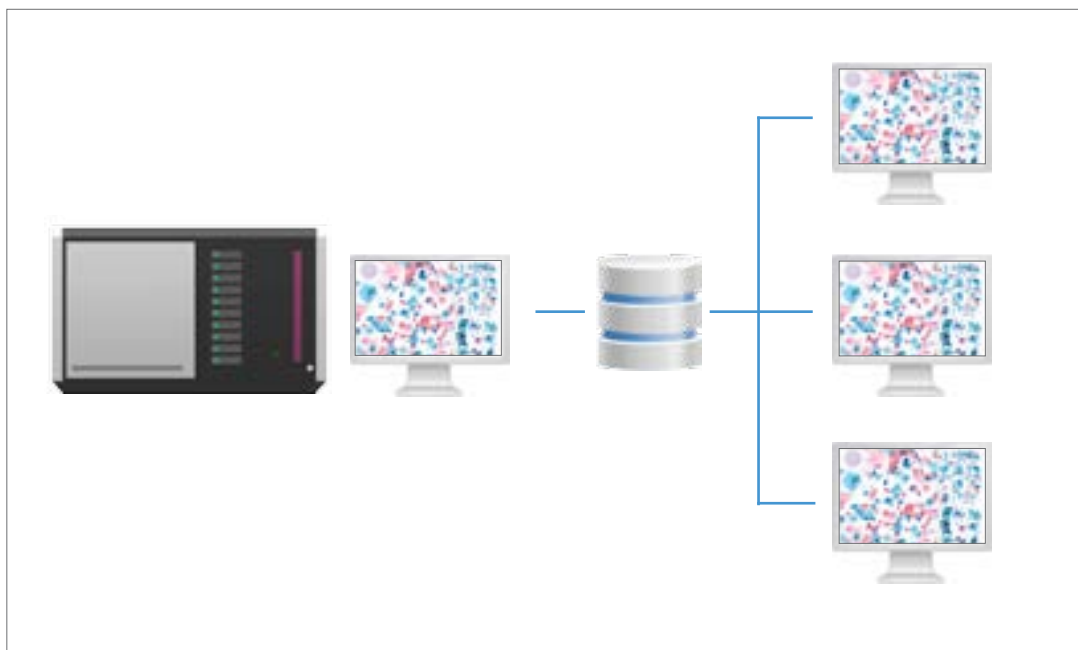
Administrative Modules
Vision Manager

Analysis procedure automation, data processing rules created by the specialist.

Vision Remote
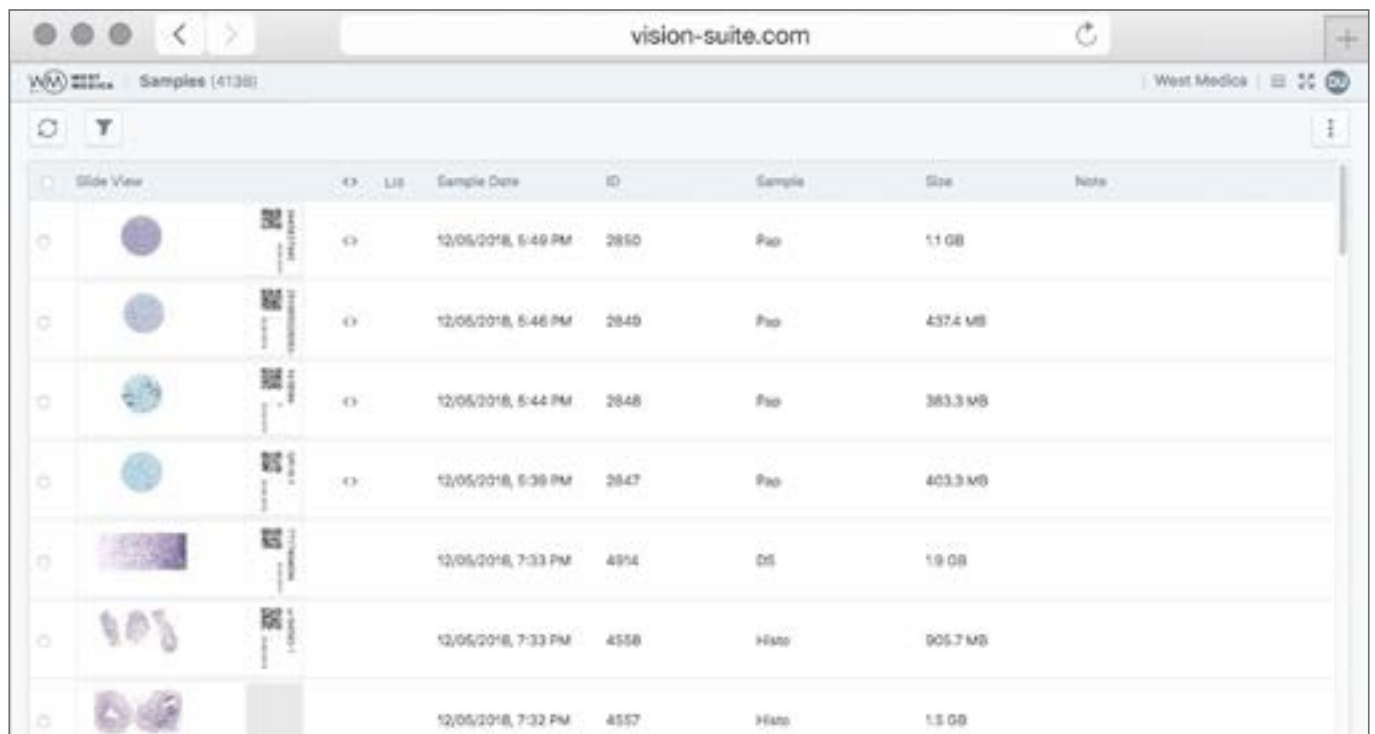

Remote workstation.

Clinical applications

The latest developments of artificial intelligence provide a solution for the tasks connected with automation in digital microscopy.

Our technologies speed up the diagnostic process, reduce analysis time and lower subjectivity of the received results.

They improve the efficiency of laboratory routine operation, bringing better analysis in line with state-of-the-art standards.

Consulting and Education Module
Vision Suite

Cloud/server for telemedicine and remote consultations with colleagues.

Integration example 1

Pannoramic 1000 — Vision Cyto Pap workstation — Cloud server Vision Suite — Vision for consultation

Vision Remote — Vision Remote — Vision Remote

Integration example 2

Pannoramic 1000 — Vision Cyto Pap workstation

Cloud server Vision Suite — Vision for consultation

Server

Storage area network

Pannoramic 1000 — Vision Cyto Pap workstation

Vision Remote
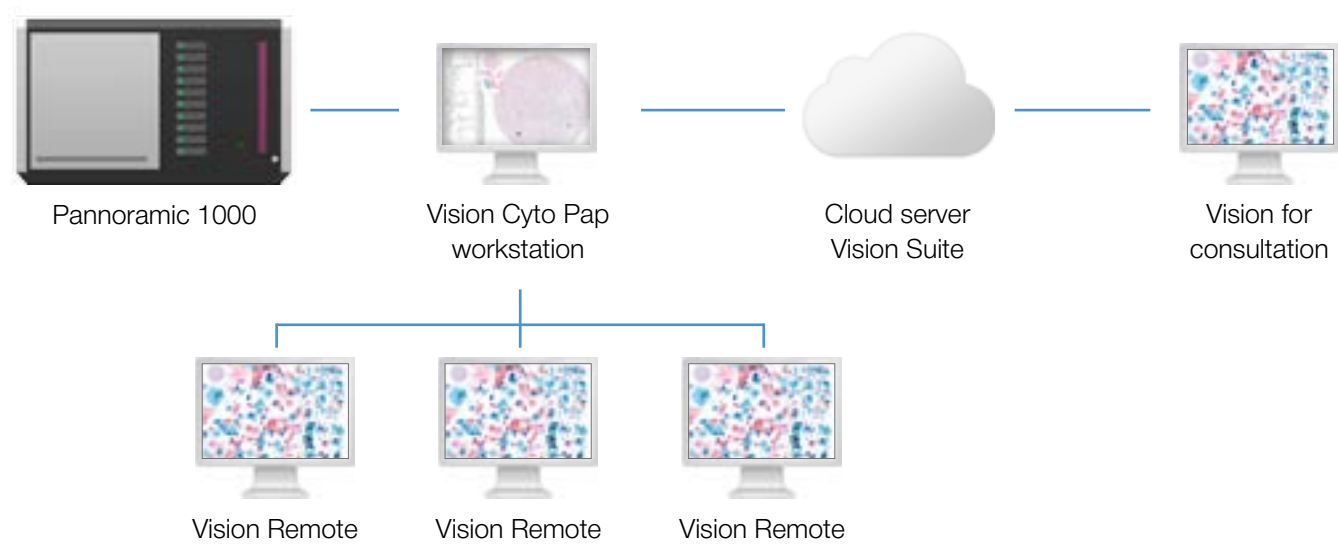
Vision Remote
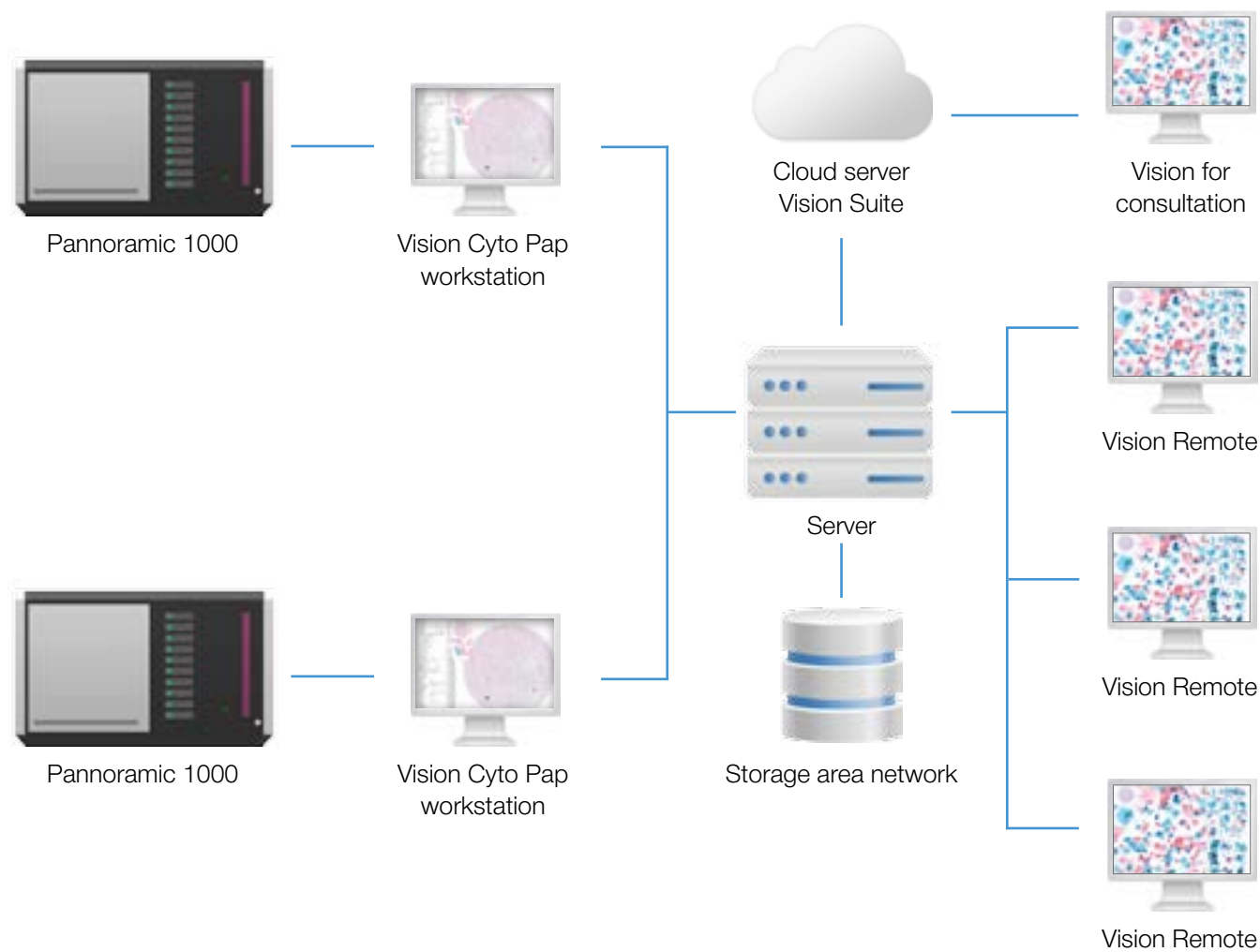
Vision Remote

Specifications

Vision Xplorer

Application module	**Vision Cyto Pap**
Additional modules	**Vision Cyto Pap ICC, Vision Slide**
Administrative modules	**Vision Manager, Vision Remote**
Consulting and education module	**Vision Suite**
Working modes	Queue, continuous and random access, STAT testing, 24/7
Scanning	Automatic scanning
Slide capacity	1000 slides
Slide handling	Automatic slide handling
Scanner	Slide scanner
Hardware	Personal computer, monitor
Slide identification	Built-in barcode reader
Optical system	20x
Microscopy method	Bright field
Illumination	Flashlight
Communication	Bidirectional LIS, LIS2-A2 (ASTM), HL7, Ethernet

Art. N.:	74503.03 (1000 slides)

Other slide scanners on demand

Please check the intended use and the registration in your local regulation. Depending on the regulations of the respective region, some products may be used for research purpose only.

Pre-classification has to be validated by the specialist reviewing the galleries of cells. We reserve the right to change specification without notice.