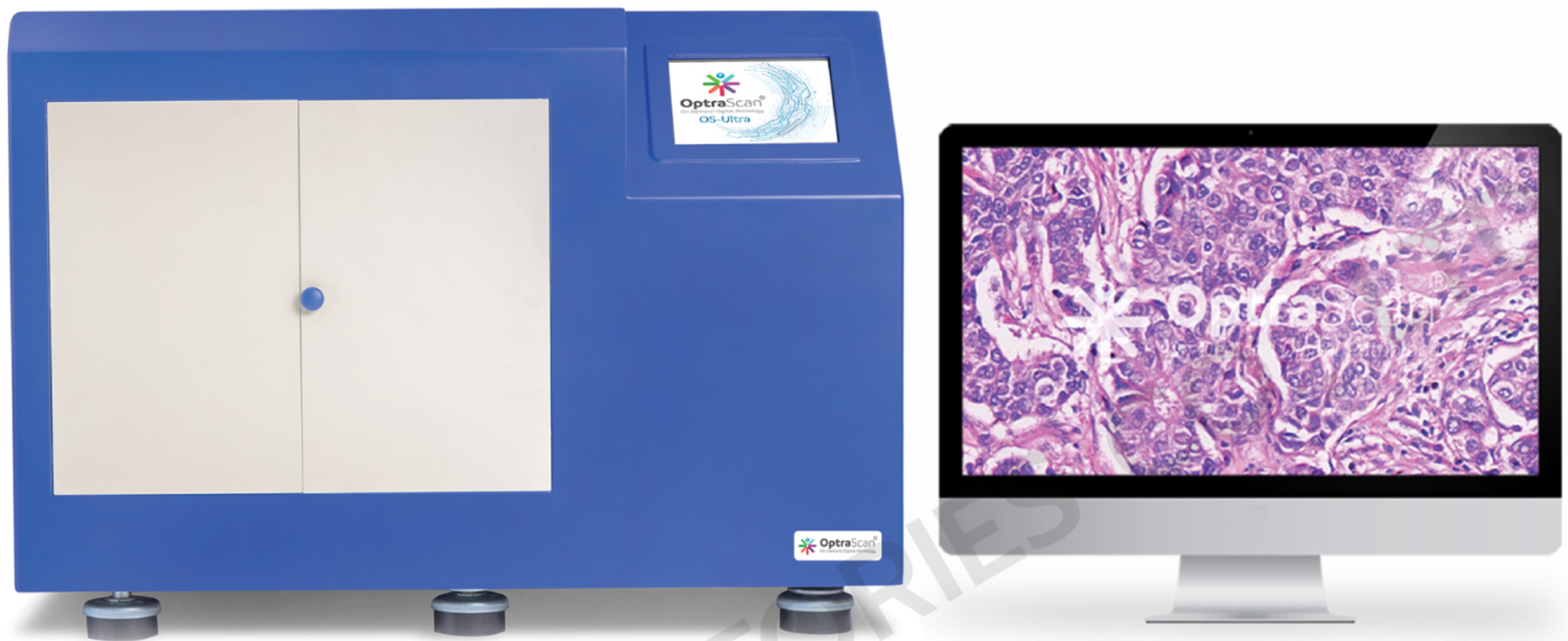


# OS-Ultra









Improving Patient Outcomes With Affordable and Easy To Implement Digital Pathology Solutions








Create high resolution digital images within seconds and achieve greater efficiency.

<b>Slide Capacity:</b>	80/ 160/ 240/ 320 /400/ 480
<b>Scanning Speed:</b>	30 sec at 20x, 60 sec at 40x for 15 x 15 mm tissue area
<b>Magnification:</b>	20x (SD) or 40x (HD) (Digital zoom upto 60x)

## Key Benefits :

-  Unparalleled image quality for histology and cytology samples
-  Patented composite imaging ensuring 99% in-focus slide images
-  Automated tissue detection
-  Walk-away automation
-  Add, remove, and re-prioritize slides without disturbing scanning process
-  Multi-Site collaboration
-  QR code, 1D, 2D and 3D barcode recognition
-  Cloud-enabled with instant cloud-loading capability

## Features:

-  Continual slide loading
-  Ability to handle slides of varying formats – 1"x3"and 2"x3"
-  Real time auto focus and Z-Stack functions
-  IMAGEPath image management system included for viewing, storing & archiving
-  TELEPath Telepathology included for real-time remote consultations



## Technical Specifications

• <b>Imaging Mode:</b>	Brightfield
• <b>Light Source:</b>	LED
• <b>Focusing Technique:</b>	Real time auto-focus
• <b>File Format:</b>	JPEG2000, TIFF, SVS, MRXS, CZI, NDPI
• <b>Scan Modes:</b>	Normal (Real-time auto-focus) / High Precision (High precision auto focus) EDF (Extended Depth of Field) / Z-Stack (Three-Dimensional Stacking)
• <b>Resolution:</b>	0.50 µm/pixel at 20x, 0.25 µm/pixel at 40x
• <b>Storage :</b>	Local Network / Cloud
• <b>Dimensions &amp; Weight :</b>	Approximate Width - 23", Length - 36", Height - 26", Weight - 220lbs
• <b>Image Storage Space:</b>	300 - 400MB at (20x), 600 - 800MB at (40x) for 15x15mm tissue
• <b>Barcode Support:</b>	QR code, 1D, 2D and 3D barcode recognition
• Capable of bi-directional interface with LIMS/HIS	
• Loaded slides scanning sequence can be rescheduled as per user priority	

## IMAGEPath

### Web-based Image Management and Viewing

- Image sharing, collaboration and storage security
- Pan, zoom, annotate, generate reports
- User authentication and "role-enabled" access
- Image analysis plug-in available
- Audit trail functionality

## TELEPath<sup>®</sup>

### Real-time Digital Conferencing

- Real-time sharing/collaboration
- Interactive chat

## OptraASSAYS Image Analysis

### AI & ML based Image Analysis Solutions

- Turnkey analysis of ER, PR, HER2/neu, Ki-67, PD-L1
- IHC multiplexing assays
- Accurate, rapid & reproducible assessment
- Additional algorithms available with user configuration
- Biomarker quantification using nuclear, membrane & cytoplasmic stains

## Cytology Image Analysis

- Automated computation of sample adequacy for the whole slide cytology image
- Identification of abnormal cells and other entities based on morphological features and AI based classification
- Identification of reactive, endometrial, actinomyces, candida, clue cells, trichomonas vaginalis, and herpes entities
- Identification of entities including blood, inflammation, and lubricant

