# Features Page

## 1.1 Home Page

***Folder:*** Adds new folder to the dash board.

- Rename Folder
- Delete Folder

***Report:*** Helps medical professionals generate a report on their findings.

The **PATIENT INFO** form is a structured data entry screen with the following fields:

- **Name**: Patient's full name. This appears as the report title.
- **Age/Sex**: Patient' age and biological sex. Free-text field — type in your preferred format (e.g. 45/M, 32 Female).
- **HID No**: Hospital identification number. Links the report to your institution's patient record system.
- **Path No**: Pathology accession number. This is the unique identifier for the specimen being examined.
- **Department**: The requesting department (e.g. Hematology, Histopathology, Microbiology).

## *1.2 App Settings*

***Image Compression:*** Indicates the quality of the image. The User has three options from which they can choose their preferred image quality.

***Video Compression:*** Indicates the quality of the image. The User has three options from which they can choose their preferred image quality.

***Screen Recording:*** Allows users to record live view screen, can be used in demonstrations and trainings.

***Horizontal Flip:*** Flips the live view image horizontally.

***Vertical Flip:*** Flips the live view image vertically.

***Measurement Unit:*** *The measurement unit can be changes here. You can switch between* ***Micrometer and Millimeter.***

***Enable Tiff Format:*** Tiff Format is an uncompressed file format, enabling this format stores the image in the highest quality.

***Lens Profile:***

***Object Storage:***

***Quick Share:***

***Reference Image:*** An external reference image can be added on the live view screen and can be positioned according to the users preference.

***Watermark General:*** a faint, semi-transparent text which the user can place over their captured image. Its primary purpose is to identify ownership, protect against unauthorized copying.

***Watermark Cilika:*** It is a faint, semi-transparent image, embedded by default in the captured image.

***Zoom:*** Switching ON this option helps you increase and decrease the magnification on live view.

***Scale Setting:*** Controls the appearance and behavior of the on-screen scale bar. This settings gives the user two scale settings to choose from.

- *Bar:* A simple horizontal line with end caps and a numeric label (e.g. 600.0 µm). This is the most common style for publication-quality images.

- *Ruler:* A bar with periodic tick marks resembling a physical ruler.

***Auto Hide:*** This option hides the Open drawer.

***RBC Template:***

***Hide Calibration:***

***Enable Grid:*** The Enable Grid, overlays a grid on the live view screen.

***Unit:*** This setting helps determine the measurement unit in either *micrometers* or *millimeters*

***Size:***

***Opacity:***

***Line Type:***

***Color:***

***Show frame:*** This option helps capture the microscopic view in a square frame instead of the usual microscopic circle view.

## 1.2 Live Microscopic View -

***Zoom Slider:*** *Lets you zoom in and out of the microscopic image*

***Scale:***

***Objective Lens:***

***Camera settings:***

- ***Enable Manual Exposure:*** This settings help lets you control the image's brightness, rather than letting the camera decide to get the exact creative look and lighting you want.

- ***Exposure Duration:*** This setting is also commonly called as the Shutter Speed, is the exact amount of time the camera's shutter remains open, allowing light to hit the camera's sensor.

    - *The shorter/faster (e.g., 1/1000th of a second) the shutter speed, the less light gets in making the image darker.*

    - *The longer/slower (e.g., 2 seconds) the duration, the more light gets in, resulting in a brighter image.*

- ***ISO***: ISO is the camera's sensitivity to light.

    - *Low ISO (e.g. 100 or 400)*: This requires more light, but gives you a crystal-clear, high-quality image with rich colors. This is ideal for looking at clear slides with bright illumination.

- *High ISO (e.g. 800 or 1600)*: The camera digitally amplifies the light. This is useful for poorly lit specimens or high-magnification views, but the resulting "noise" makes the image look fuzzy and grain.

***Focus:***

- ***Hide Zoom Slider:*** This setting hides the zoom slider that is on the microscopic view screen on the left. (attach screen shot)
- ***Color Option:***
- ***Measurement:***
- ***Configuration:***

*Temperature*

- ***Enable Manual Temperature:*** This is the white balance. This setting lets you determine how warm or cool you wanna keep your image. It lets you adjust the camera so white objects in your slide look pure white, fixing weird yellow, blue, or green.
  - Warm Light: Lower numbers (e.g., 3200K) have a yellow/orange tint.
  - *Cool Light:* Higher numbers (e.g., 7000K) have a blue tint.
- ***Temperature:*** It describes the specific color tone of the light being used, helping the camera know what true "white" should look like so your specimen colors remain accurate.
  - *Warm Light:* Lower numbers (e.g., 3200K) have a reddish/yellow tint.
  - *Cool Light:* Higher numbers (e.g., 5500K to 6000K) have a bluish tint.
- ***Tint*:** Refers to an unwanted color shift in your image, making it look slightly too green or too magenta. It usually happens because the camera's sensor reacts differently to the microscope's artificial light.

Adjusts the balance between Green and Magenta.

- ***Focus*:** Adjusting the distance between your lens and your subject so that the image appears crisp, clear, and perfectly outlined.
- ***Hide Zoom Slider:*** Enabling this hides the zoom slider
- ***Color Option:***
- ***Measurement:***
- ***Configuration:***

***Lock Exposure:*** *This setting will freeze the brightness settings so the lighting doesn't change even if the view is re-framed or if the lighting shifts.*

## Annotation & Pointer Tools

***Cursor:***

***Teaching Pointer:*** Displays a digital cursor on the screen to highlight areas during live demonstrations.

***Marker:*** A freehand drawing tool.

***Eraser:*** Allows for the selective removal of specific markings or annotations without clearing the entire screen.

***Delete All:*** Clears all current annotations, markings, and measurements from the live view or image.

***Text:*** Helps add custom labels or case notes directly onto the live view.

## Measurement Tools

***Linear Measurement:*** Calculates the straight-line distance between two points.

***Circular Measurement:*** Determines the diameter, circumference and area of a circle.

***Rectangle Measurement:*** Measures the length, width, and area of a defined rectangular region on the sample.

***Irregular Parameter Measurement:***

***Irregular Area Measurement:***

## System Tools

***Arrow:***

***Render:*** Rendering helps to save multiple annotations and markings permanently on the current image so they all appear in the saved file.

***Undo:*** Reverses your last performed action or a series of action.

***Redo:*** Reverses the Undo command, reapplying the changes you just removed.

***Erase:*** Erases only unwanted annotations.

***Delete All:*** Instantly clears all current annotations, markings, and measurements from the live view or image.

---

Revision #11
Created 2026-05-19 16:41:10 IST by Rashi
Updated 2026-05-23 14:38:11 IST by Rashi