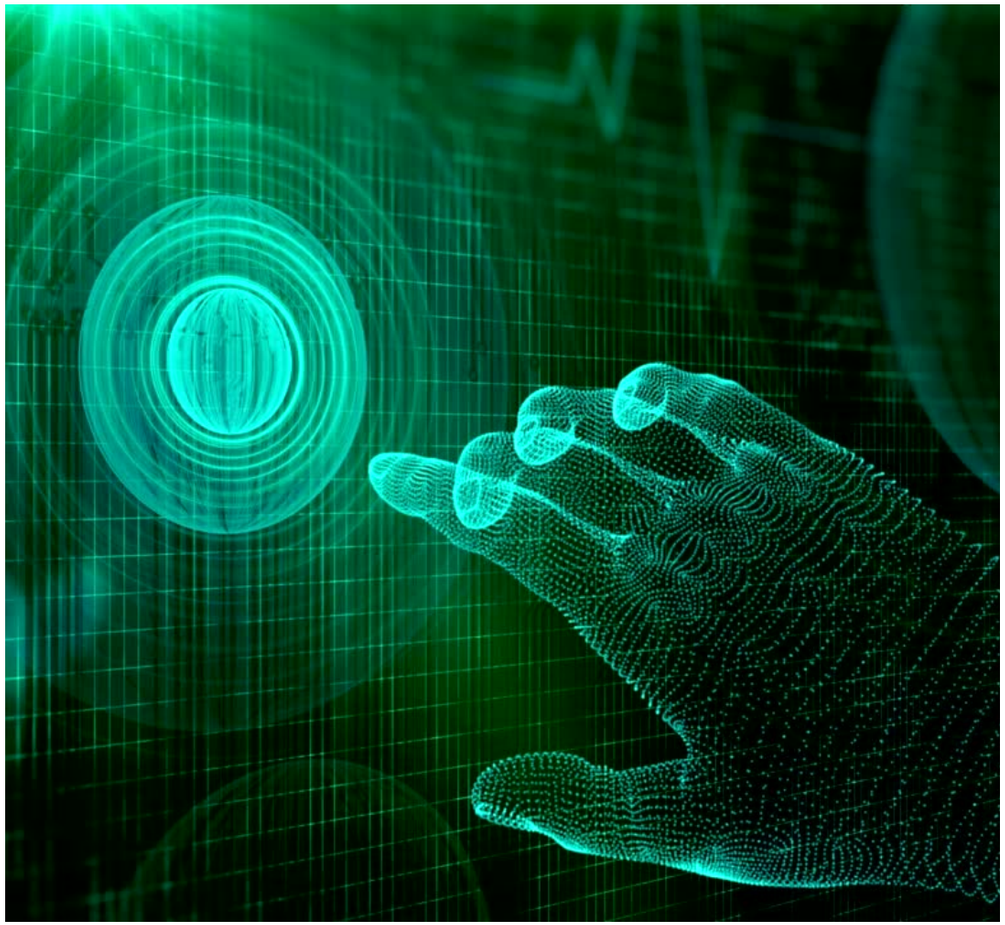
Touch Screen Interface :

feather touch experience



SmartEye-II Plus video processor has an intuitive and easy to use Touch Screen Interface technology which makes using it simple & helps accelerate endoscopy procedures.

The simple user interface has all operations on one screen making it easier for the nurse & technical staff & improves procedure efficiency.

mBLU Technology -White Light Endoscopy, Mode 1 & Mode 2 :

two technologies in one platform

mBLU Imaging is an advanced optical & light sensor technology which increases the detection/characterisation of lesions/polyps by depicting brighter and clearer endoscopic images.

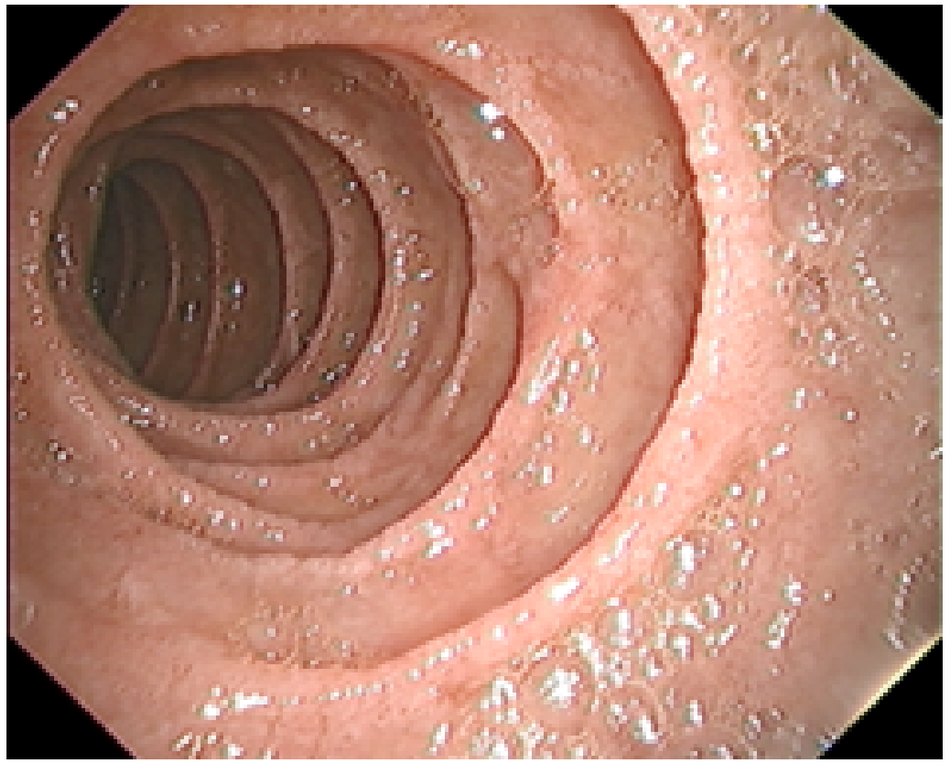
The mBLU system utilises two modes:
mBLU Mode 1 - suitable for micro vascular pattern.
mBLU Mode 2 - suitable for Detection.

To alter the mode, the endoscopist simply selects the desired mode. The intensity balance of the LEDs differs in each mode, enabling high contrast images of blood vessels over a wide range from distant images to close-up images, along with multi-magnification.

The diagnostic ability of the mBLU system allows more accurate discrimination of adenomas from non-adenomatous lesions as compared to conventional white light. Further studies can be made to validate these observations.

WHITE LIGHT

White Light Endoscopy (WLE) :

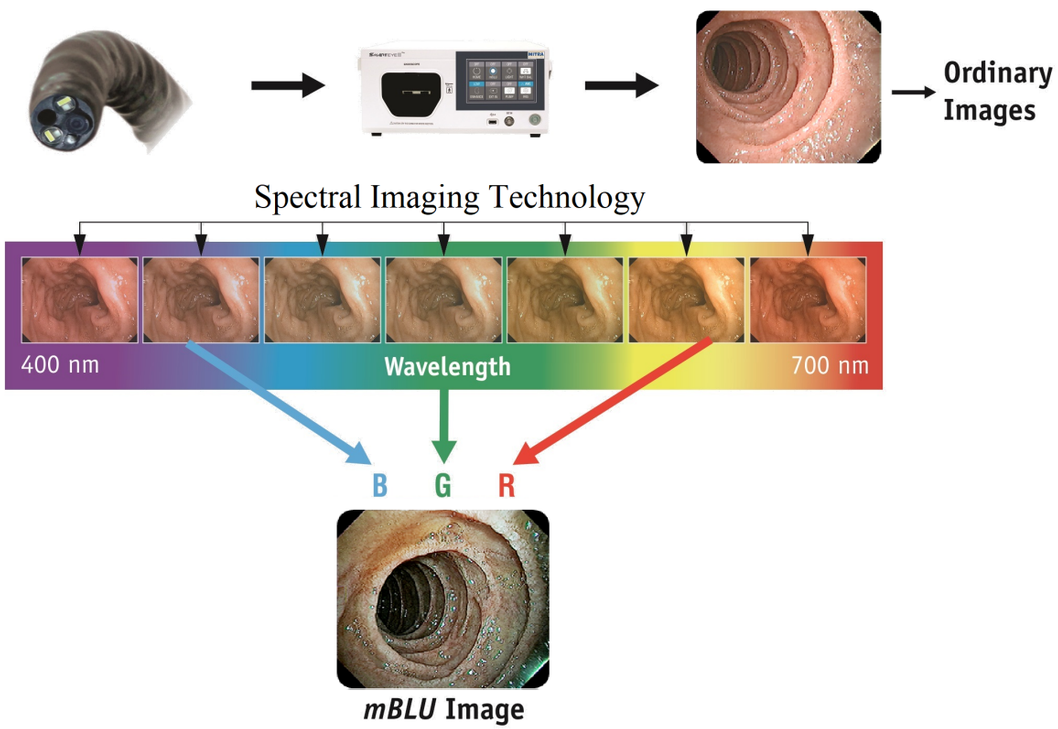


Different from conventional white light generated by a xenon light source, the white light mode in the mBLU system uses a 400~700 nm LED to enhance vascular images.

Imaging using the white light mode clearly depict the vascular microstructure as compared to that obtained using xenon light.

mBLU Mode 1

Principle of Light Wavelength

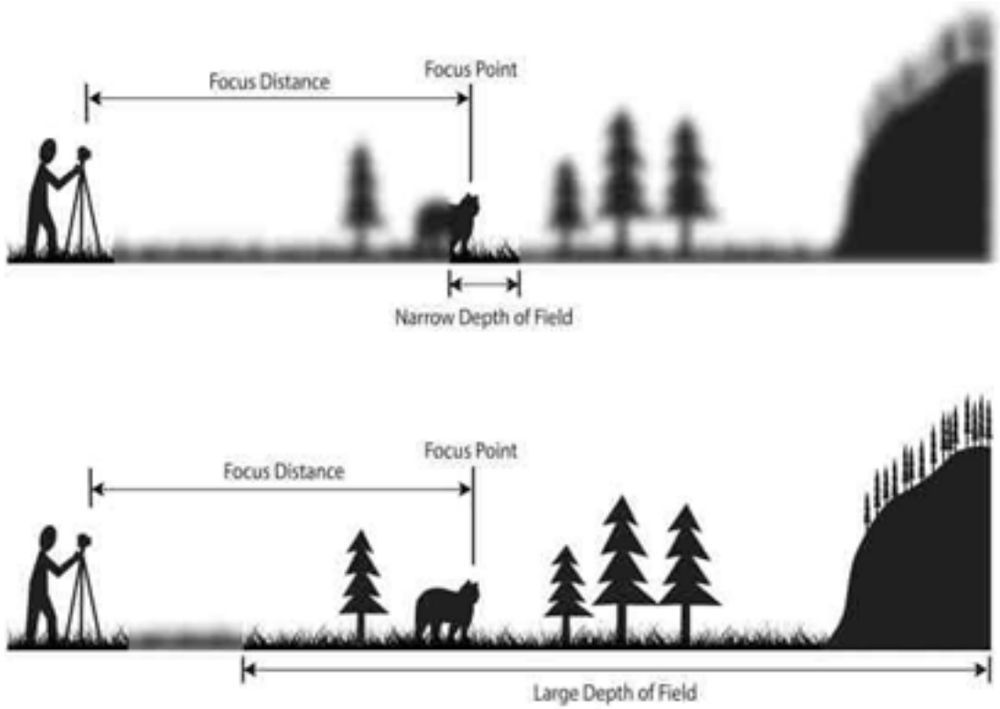


The color spectrum is raised to maximise the contrast of the micro vascular pattern of the mucosal surface to be seen.

In this mode, the vascular pattern as well as the surface pattern can be most clearly visualised on the display.

The mBLU1 is dedicated to near structure contrast view.

mBLU Mode 2



A brighter view is accomplished using the mBLU high-contrast image by controlling the power ratio of the blue light LED.

In this mode, both the vascular pattern and the surface pattern are more visible on display while maintaining the brightness, even at a distant view. This mode can facilitate differentiation of adenoma from invasive cancer.

The mBLU2 is dedicated to more close-up view or detailed view.

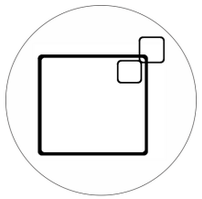
Extreme Close-Up Endoscopy (eCUE) :

improve the visualization

eCUE is an advanced technology pushing the boundaries of endoscopic imaging and diagnosis.

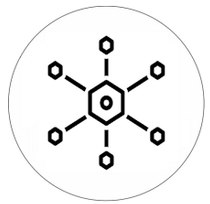
It aims to help improve the visualisation, for studying the miniature structures and mucosal pit patterns with clarity, sharp focus and great detail. To achieve this, endoscopes are fitted with highly specialised custom made HD micro lenses with selectable apertures and focal lengths and with the help of a button, it can generate sharp close up endoscopic images.

Other features :



PIP/POP facility :

With Picture In Picture (PIP) & Picture Out Picture (POP) display users can watch different images from different sources while performing endoscopy procedure, especially in ERCP or Ultrasound.



Multi Digital/Analog video signal connectivity options :

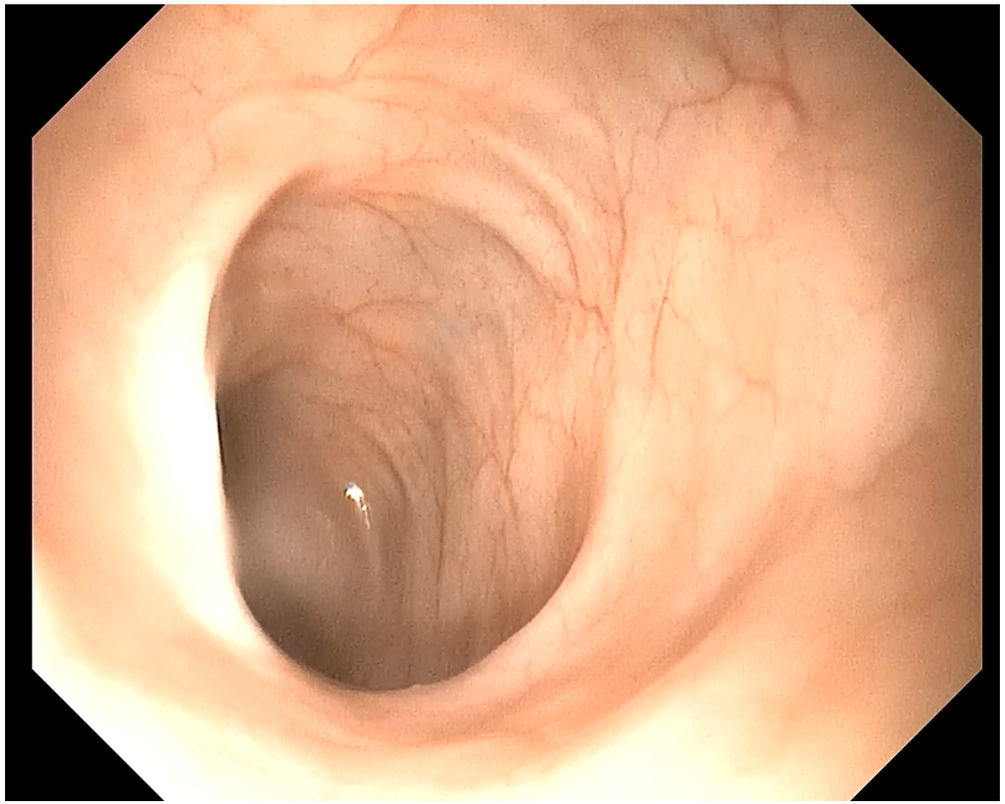
Multiple Digital & Analog video signals connectivity help to connect video system with multiple displays, recording softwares or devices and long distance video transmission.

Compact & Light Weight :

Benefits of LED at Tip technology helps to make OTTOMED Video System Compact & light weight. Easy to move anywhere.

HD Plus Scopes :

advanced High Definition imaging



Advanced chip scale tech which offers 30% more Brightness & 15% wide beam angle

Ultra-light weight Connector :

easy & comfort connection

Easy & Simple single handed connection & waterproof connector makes endoscope more reliable & User-friendly.

Auxiliary Channel :

Water Irrigation

A dedicated auxiliary water channel washing the mucosa of the GI tract.

Tactile Insertion Tube Technology (TIT) :

Quick Torque Transmission (QTT)

A new tactile insertion tube (TIT) construction which is 1:1 torque sensitive providing the endoscopists a rapid control tool to carry out minimally invasive, precise and effective procedures and enabling them to make truly-informed diagnostic and treatment decisions in the best interest of their patients.