SCOPEPILOT
The next generation 3D navigation system
In order to maximize the detection power and optimize the quality indicators in colonoscopy, it is important to improve the examination technique and quality of bowel preparation. In addition, advanced imaging technologies should be engaged such as High-Definition endoscopy, digital and optical chromoendoscopy, and navigation solutions like the SCOPEPILOT.

SCOPEPILOT is designed to support an optimal navigation for an efficient, safe and comfortable procedure to improve patient compliance and satisfaction.

SCOPEPILOT NCU-7000 is the next generation Navigation system technology by PENTAX Medical designed to provide a true 3D live representation of the colonoscope shape and position inside the patient’s bowel tract.

SCOPEPILOT provides pinpoint navigation and differentiation of the IFT segments for an efficient, safe and comfortable procedure.

With true 3D representation of the endoscope and crisp image quality, SCOPEPILOT supports accurate scope tracking, loop management and caecum intubation rate increasing the patient compliance and level of satisfaction.

Explore a new way to navigate

1. **True 3D responsive image**
   - True 3D representation of the colonoscope for accurate insertion tracking and effective loop management.

2. **Advanced Orientation**
   - SCOPEPILOT system provides advanced orientation features to support the quality standards in colonoscopy and training.

3. **Comprehensive colonoscopy solution**
   - Perfectly suited to assist with everyday practice, SCOPEPILOT works with other innovative PENTAX Medical technologies to support the whole clinical pathway.
True 3D responsive image

**True 3D image**
- The 3D image is generated by integrated multidimensional sensors which are induced by a magnetic field generated and transmitted to the control unit to be processed and displayed in real time during the procedure.
- The SCOPEPILOT image provides a 3-dimensional image with high depth of field in order to differentiate the loop configuration.
- Real time representation of the scope shape and position for a dynamic trackability and handling control.

![Field generator unit](image-url)

SCOPEPILOT allows to view the endoscopic image and the 3D image simultaneously.

**Easy setup**
- SCOPEPILOT sensors are integrated in the colonoscope, keeping the working channel free for the advanced therapeutic procedures.
- SCOPEPILOT does not need a dedicated monitor, which makes setting up the system simple and quick and also minimizes the need for extra equipment in the procedure.
- SCOPEPILOT can be activated remotely from the panel or remote control anytime during the procedure.

![Remote control unit](image-url)

**Data management flexibility and traceability**
- Screenshots can be captured with a single press of a button and be saved to a memory stick.
- Patient data can be stored together with the image capture and saved on memory sticks or the network, making it easier to trace images to patients and reports.

Advanced orientation

**SCOPEPILOT features different functions to provide the highest quality standards in colonoscopy and training.**
- Image rotation on horizontal and vertical axis for an improved differentiation of the insertion tube.
- Split screen allows simultaneous viewing of the anterior and superior positions to better explain complex anatomies.
- Zoom-in and zoom-out functionality for improved loops evaluation, enhanced training and procedure reports that are easily comprehensible.
- The external position sensor (EPS) helps to correctly apply abdominal pressure to support and overcome any difficulty during the intubation.
- Length markers along the colonoscope help to understand the insertion length and those areas of interest during the procedure.

![Image rotation](image-url)

**Image rotation on horizontal (x8) and vertical (x10) axis for an improved differentiation of the insertion tube.**

![Split screen](image-url)

**Split screen for simultaneous view of anterior and superior positions.**

**Empowered by education**
- The SCOPEPILOT system provides advanced orientation features to support the quality standards for training and trainers.
- SCOPEPILOT is part of the Training for Excellence, a wide range of professional education programs, across Europe, Middle East and Africa, spreading best practice endoscopy supported by PENTAX Medical.

Learn more at www.training-for-excellence.eu and find detailed information about the program, training courses and registration.
Comprehensive colonoscopy solution

Advanced Imaging

The SCOPEPILOT EC38-i10N Video Colonoscope is part of the latest PENTAX Medical HD+ Series.

- The i10 colonoscopes include the next generation megapixel CCD for a crisp, clear and bright HD+ image and together with Close Focus allows for a detailed examination of the mucosa up to 2 mm.
- SCOPEPILOT together with OPTIVISTA – EPK-i7010 Video Processor is the ultimate solution for improved diagnosis, advanced therapeutics and training on a unique platform of optical (i-scan OE) and digital enhancements (i-scan) supporting improved in vivo diagnosis.

The secret behind improved handling

Colonoscopy requires a high degree of skill and precision – not just from the professionals performing the procedure, but also from the devices they use.

PENTAX Medical insertion tube is designed to provide the perfect balance between flexibility and torque response through its proprietary i-FLEXTM and TrueTorqueTM technologies.

- PENTAX Medical i-FLEXTM technology provides a graduated flexibility of the insertion tube characteristics for an efficient maneuvering through the tight twists and turns of the sigmoid colon.
- TrueTorqueTM provides a higher tactile feel with the endoscopes ensuring a predictable movement to reach the caecum quickly and efficiently.

SCOPEPILOT works with other innovative PENTAX Medical technologies to support the whole clinical pathway

Navigation Unit

Navigation Control Unit designed to provide 3D representation of the endoscope shape and position inside the patient’s bowel tract during colonoscopies.

Endoscopes

i10 SERIES

i10 series: Bigger working channel and Close Focus, all combined in an i10 HD+ endoscope, the high performance endoscopes series, for the day-to-day advanced endoscopy practice.

HD processors

A complete diagnostic tool, bringing together the best of digital and optical enhancement for complimentary use in pattern and vessel visualization.

Monitors

The Radiance® Ultra series transform advanced visualization technology capabilities and features into a clinical solution.

Learn more

www.scopepilot.com