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SEE THE FUTURE OF ENDOSCOPY



See the future of endoscopy

INSPIRA
EPK i8020c

i20c
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Technical
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At a glance

INSPIRA™ EPK-i8020c video processor



i20c video endoscope series



SEE THE FUTURE THROUGH EVERY ENDOSCOPE GENERATION

INSPIRA

PENTAX Medical INSPIRA™ Video Processor

The bridge for legacy endoscopes to next level image quality.
The gateway to tomorrow's cutting-edge technology in diagnosis
and therapy.



INSPIRA EPK-i8020c

This is what the future looks like



Dual port

Upgrade the imaging of
your **legacy
endoscopes**



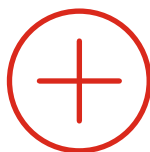
Future-proof for
**next generation
endoscopes**



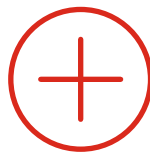
Individual user profiles
customizable via
touchscreen



Full detail visualization
with up to 4K image
resolution



Inspired by
#PENTAXMedicalTripleAim



This is what the future looks like



PENTAX Medical Triple Aim



PENTAX Medical INSPIRA™ video processor is designed to boost diagnostic and therapeutic capabilities by providing optimum image quality for all PENTAX Medical endoscopes¹⁾. It paves the way for innovative technologies to improve clinical outcomes.

PENTAX Medical INSPIRA™ video processor combines cutting-edge functionalities in one plug-and-play solution with intuitive usability. The customizable graphical user interface helps to focus on what is really important: the patient.



PENTAX Medical INSPIRA™ video processor upgrades your legacy endoscope portfolio²⁾ to the latest imaging standards, extending the life cycle of each endoscope for greater sustainability. The system provides a future-proof platform for next generation medical solutions.

1) 90i, i10, J10, 90K, i10c and i20c series endoscopes
2) 90i, i10, J10, 90K and i10c series endoscopes Not all models are compatible. For details, contact your local PENTAX Medical service facility.

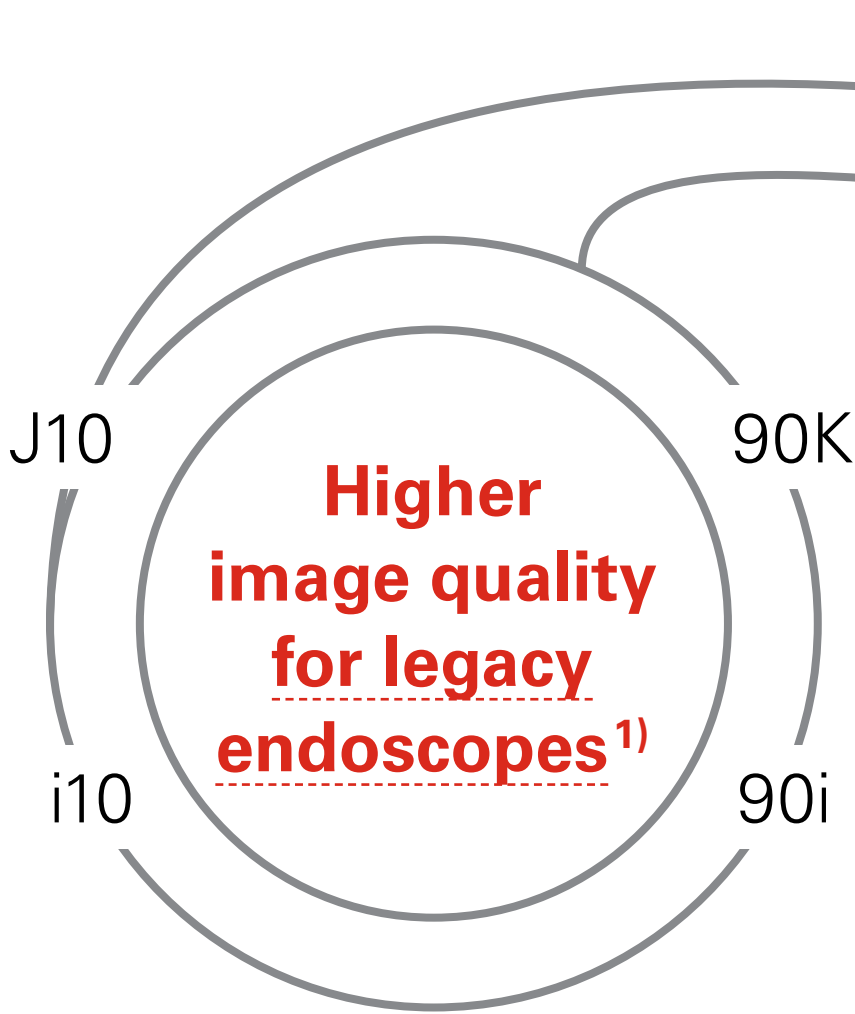
INSPIRA EPK-i8020c

This is what the future looks like



Connecting generations of endoscopes to INSPIRA

Extend your endoscope portfolio's life span
and protect your investments.



1) Compatible video endoscopes: 90K, 90i, J10, and i10 series; Not all models are compatible.
For details, contact your local PENTAX Medical service facility.



This is what the future looks like

INSPIRA helps you improve sustainability



PENTAX Medical aims to continuously improve the level of sustainability. The INSPIRA video processor allows you to continue using the endoscopes of today while upgrading their visualization performance. All this helps to improve sustainability by

- reducing waste volume,
- saving material resources,
- and avoiding energy consumption.

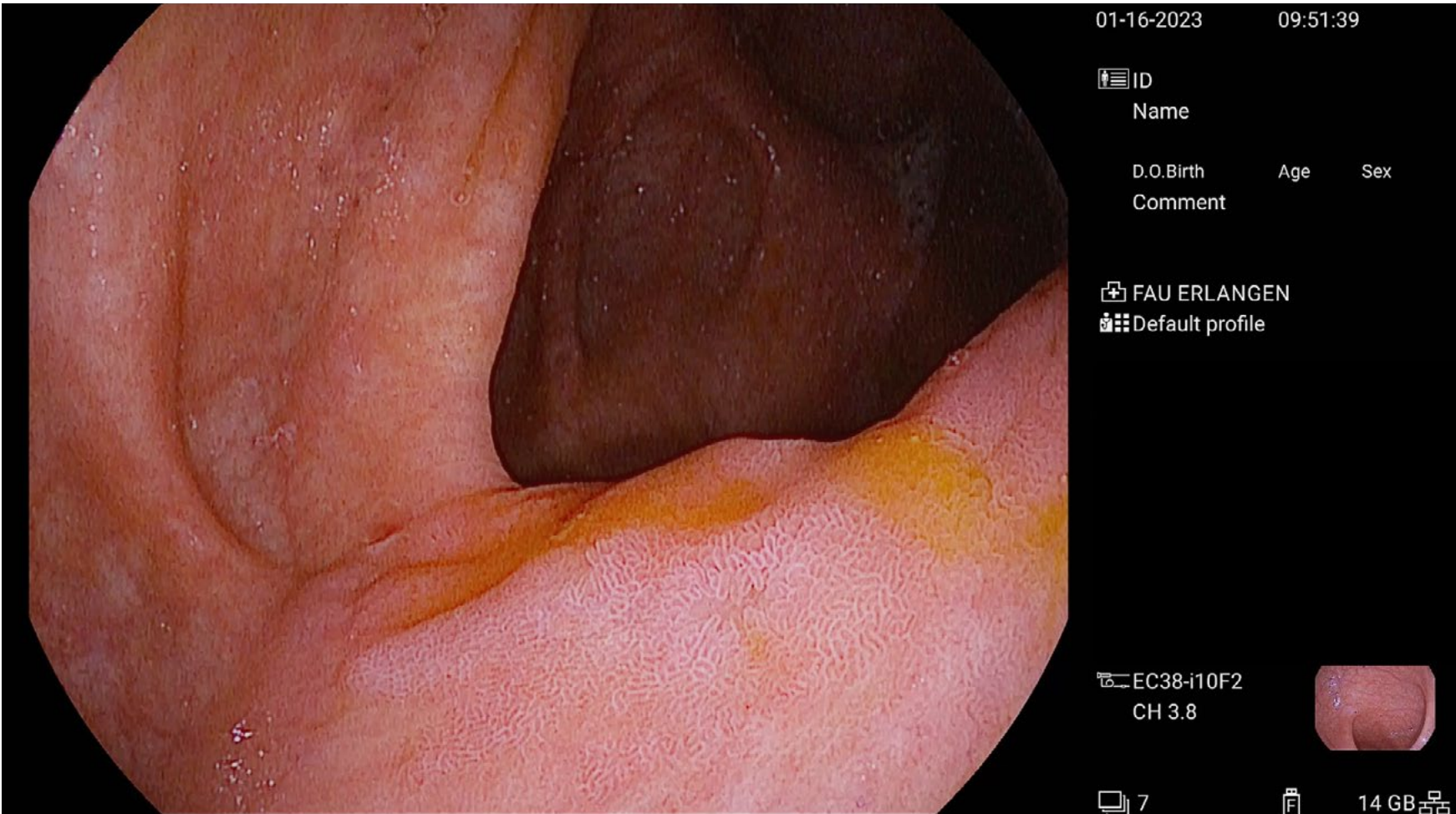


INSPIRA EPK-i8020c

This is what the future looks like



Boosting diagnostic and therapeutic capabilities in i10 and 90i series endoscopes



EC38-i10F2 colonoscope with INSPIRA



EG-2990i gastroscope with INSPIRA

Images courtesy by Prof Timo Rath, University of Erlangen, Nuremberg, Germany

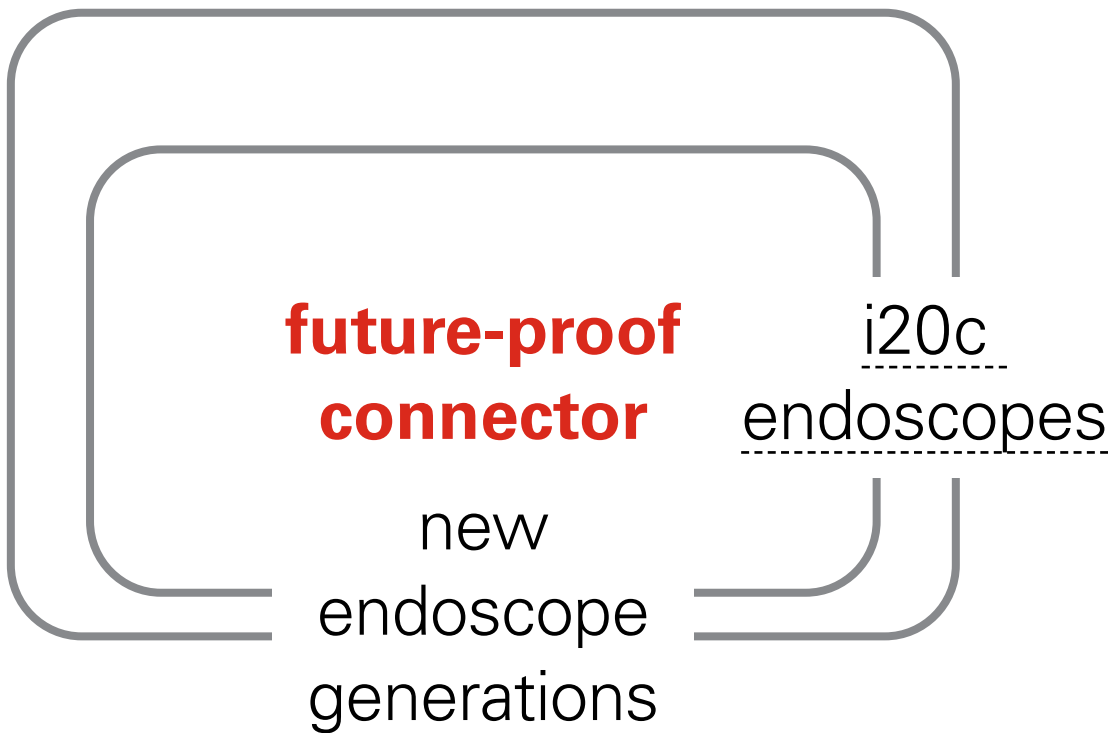
INSPIRA EPK-i8020c

This is what the future looks like



The gateway to the future of endoscopes

INSPIRA establishes a future-proof platform for the latest as well as coming endoscope generations.



INSPIRA EPK-i8020c

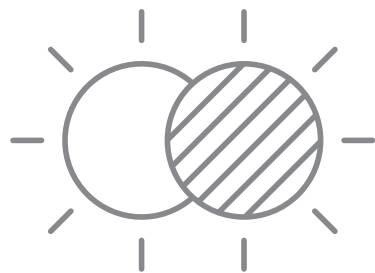
This is what the future looks like



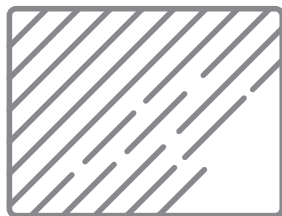
Full detail visualization



Benefit from richly detailed imaging
with resolutions up to 4K



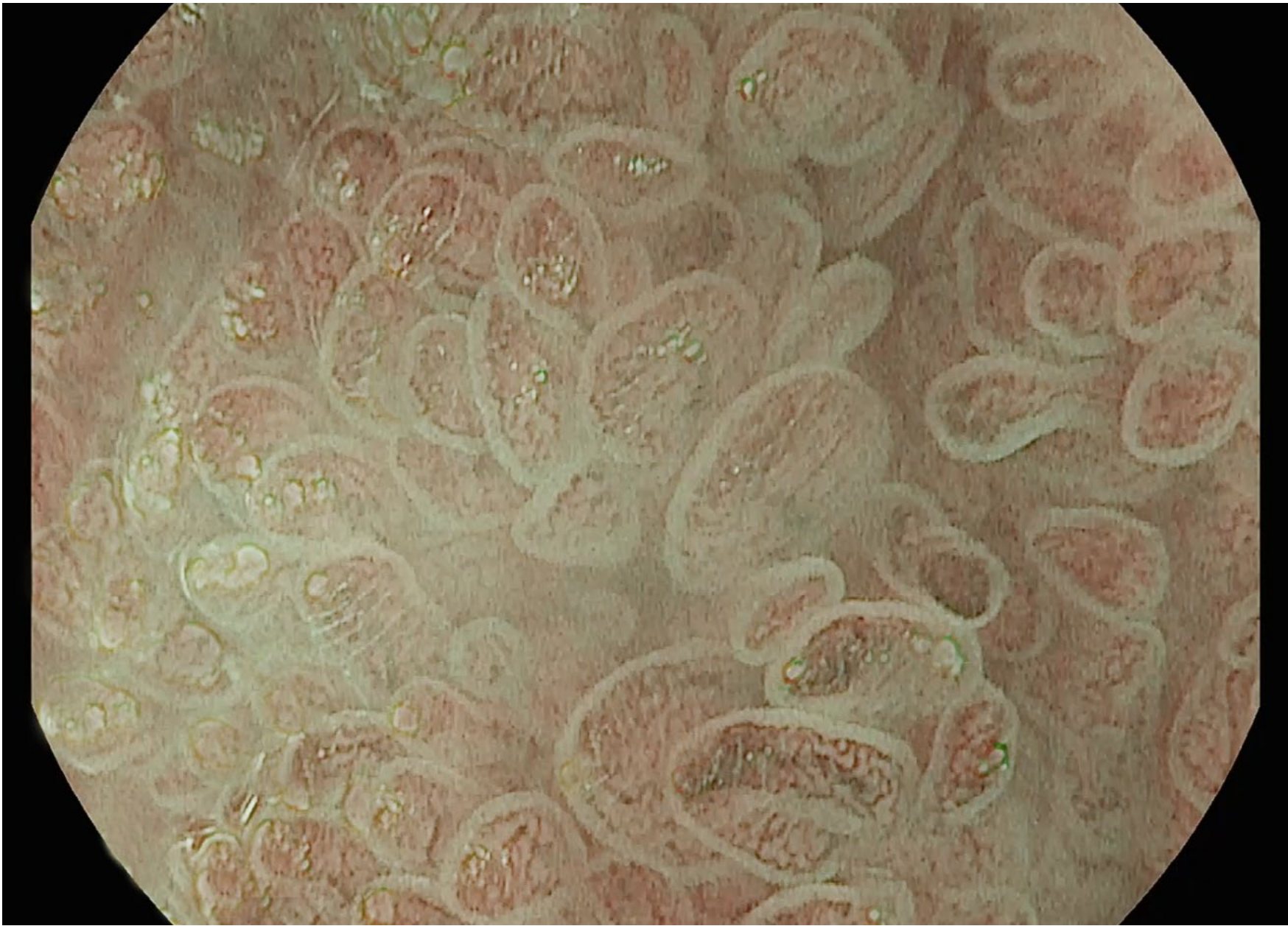
See true colors and high contrasts
for better decisions with Auto HDR¹⁾



State-of-the-art digital
enhancement with i-scan

LED

LED lightsource for improved
exam results



EC-3890FZi MagniView colonoscope with high magnification

Image courtesy by Prof Timo Rath, University of Erlangen, Nuremberg, Germany
1) Auto-HDR available with i20c series video endoscopes, only

INSPIRA EPK-i8020c

This is what the future looks like



State-of-the-art image enhancement technology on board

The well renowned i-scan technology provides you with clearly distinguishable images of tissue and vessels.



i-scan 1 (surface enhancement – SE)



i-scan 3 (tone enhancement – TE)



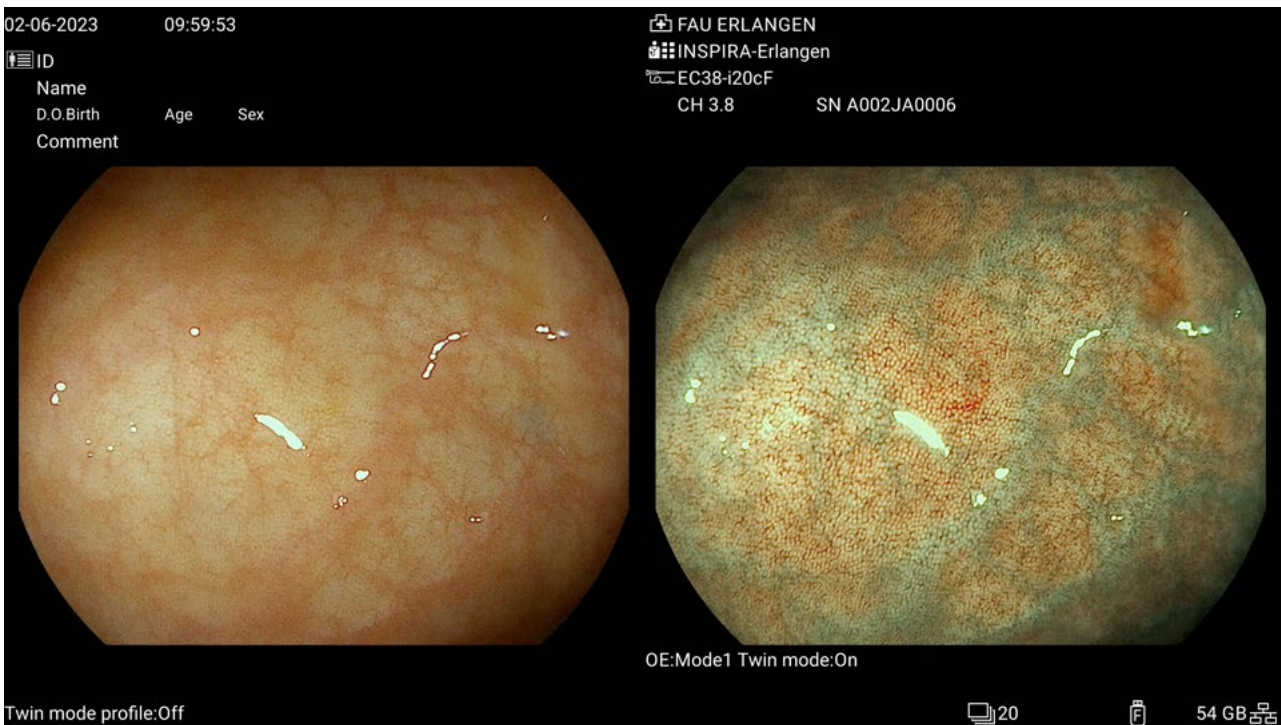
i-scan 3 (optical enhancement – OE) Mode 1



i-scan 3 (optical enhancement – OE) Mode 2



For more information visit:
www.i-scanimaging.com



i20c endoscope with white light and i-scan OE mode

INSPIRA EPK-i8020c

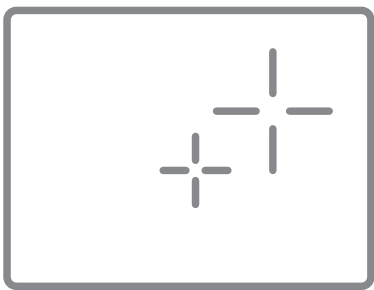
This is what the future looks like



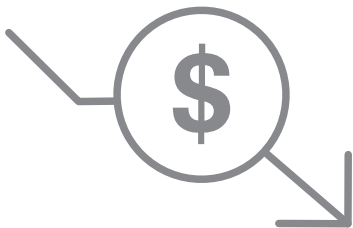
LED lightsource for improved exam results



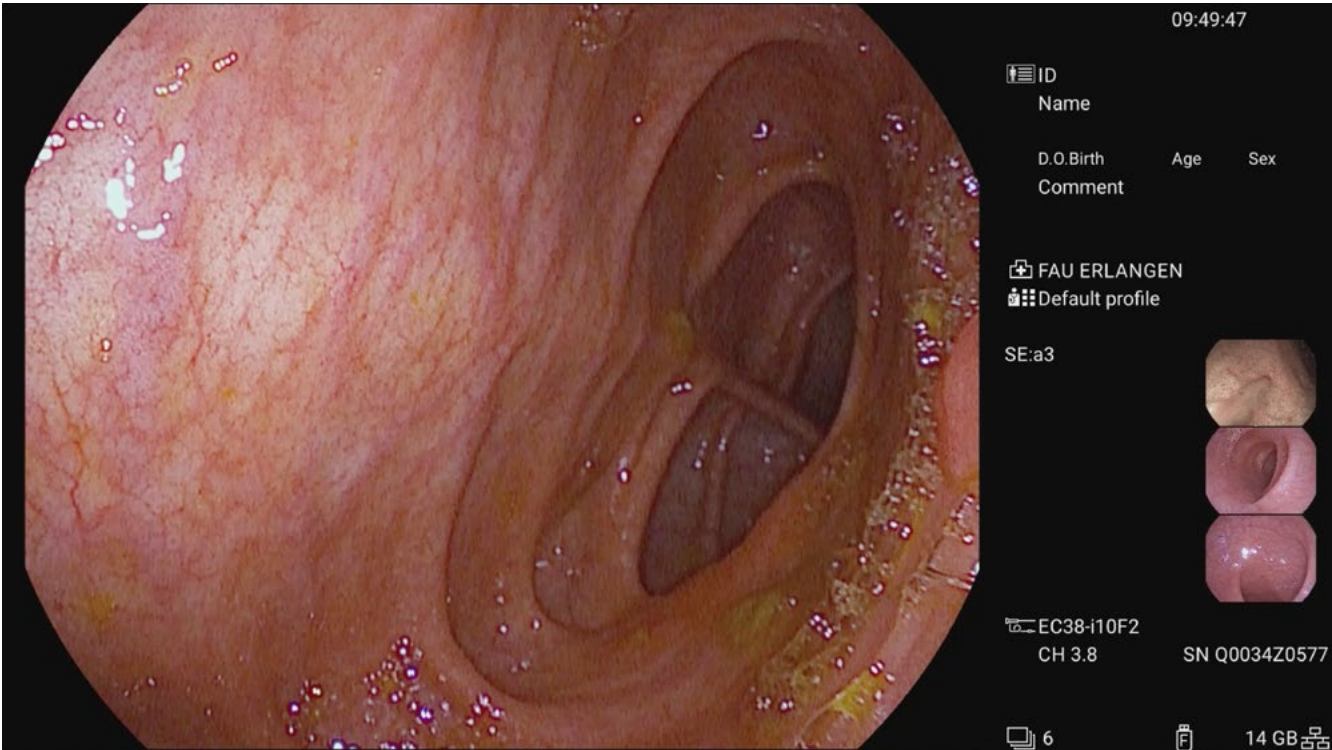
The newly developed LED supports you in diagnosis and management:



See realistic images with improved tissue and vessel assessment.



Reduce maintenance costs, as the service life of the LED is longer compared to common Xenon lamps.



EC38-i10 series colonoscope with INSPIRA

Video courtesy by Prof Timo Rath, University of Erlangen, Nuremberg, Germany

This is what the future looks like



Touchscreen with customizable menu for individual user profiles



- All functions for your daily procedures are easily accessible via 7" touchscreen.
- You can customize the screen, defining buttons for most used features.
- Save your personal settings in one of the individual user profiles.
- Intuitive to use processor thanks to smartphone like touchscreen.
- Programmable "End exam" button to simplify end of procedure (transfer data, switch off pump, etc.)