



EXPERIENCE INTERVENTIONAL PULMONOLOGY

FUJIFILM
Value from Innovation



INTERVENTIONAL PULMONOLOGY

TOTAL SOLUTION SYSTEM

PROCESSORS

**530 & 580
SCOPES**

**SYNAPSE
3D**

BRONCHOSCOPY PRODUCT LINE-UP

**SU-1
EBUS**

SONOSITE

**MINI
PROBE**

HEALTHCARE

Fujifilm is renowned as one of the world's largest imaging companies, pioneering high-definition diagnostic imaging and information systems for healthcare facilities and medical institutions.

Our clinically proven products and technologies are constantly being developed and refined to make the work of health professionals more effective and efficient.

At Fujifilm we are constantly innovating, creating new solutions that address the practical needs of our global customers in various business fields including healthcare, graphics systems, optical devices, recording media and photographic technologies.

Every year we invest around seven per cent of our consolidated turnover in research and development including dedicated research and the nurturing of close working relationships with international specialists. This ensures that we do not only meet the highest quality requirements but also contribute to the advancement of culture, science, industry and technology as well as improved health and environmental protection in society.

At Fujifilm, we are continuously developing new technologies, products and services that inspire and excite people everywhere and offer the potential to expand the horizons of tomorrow's businesses and lifestyles.

ENDOSCOPY

As one of the leading companies in the development of endoscope technology, Fujifilm is constantly elaborating new opportunities to provide top quality products, excellent services and highly customised business solutions in the world of endoscopy.

We regularly set new benchmarks in the industry, for example, with the development of the Multi Light™ technology and endoscopic ultrasound systems.

The focus at Fujifilm is firmly on holistic patient care which means that our service portfolio includes expert technical assistance, a comprehensive range of hygiene products and individual consulting.

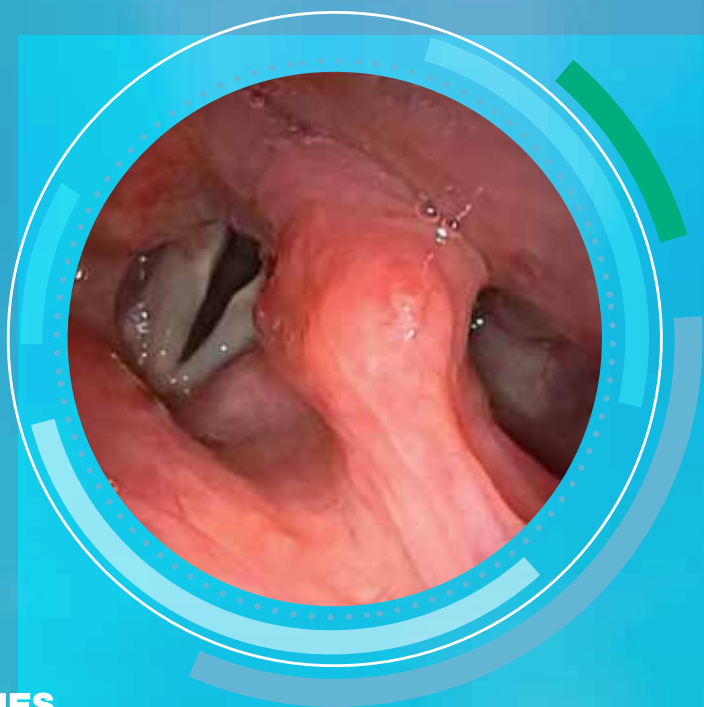
Today Fujifilm operates in over 55 companies in Europe, employing around 4,000 people engaged in R&D, manufacturing, sales, and service support.



DEVELOPING **UNIQUE TECHNOLOGIES**

Our overarching aim is to help to improve the quality of life of people worldwide through the early detection and successful treatment of disease.

Fujifilm's comprehensive portfolio of advanced solutions meets a wide range of diagnostic and therapeutic endoscopic requirements and by linking state-of-the-art technologies we can provide you with some unique possibilities. The continuous enhancement of imaging technologies ensures high precision and excellent quality.



SELECTION OF INNOVATIVE TECHNOLOGIES



MULTI LIGHT™ TECHNOLOGY
Optimal illumination using variable LED light intensity.



LCI TECHNOLOGY
Increased contrast in red colour leads to improved detection of inflammation and accurate delineation.



BLI TECHNOLOGY
The combination of special light wavelengths results in improved and accurate contrast imaging.



FICE TECHNOLOGY
FICE can enhance slight colour differences such as vascular and mucosal patterns without tissue staining. The procedure digitally selects three wavelengths of light and displays reconstructed images.



SUPER CCD TECHNOLOGY
The Super CCD and high performance optical system ensures high quality images. It provides brilliant images which can facilitate procedures for detection and treatment of lesions.



HD TECHNOLOGY
Combine equipment displaying this logo to ensure that you view HDTV images on your monitor.



DICOM TECHNOLOGY
The goal of the DICOM standard is to achieve compatibility and improve workflow efficiency between imaging systems and other information systems.



ANTI-BLUR FUNCTION
The clearest image among multiple images is automatically selected.



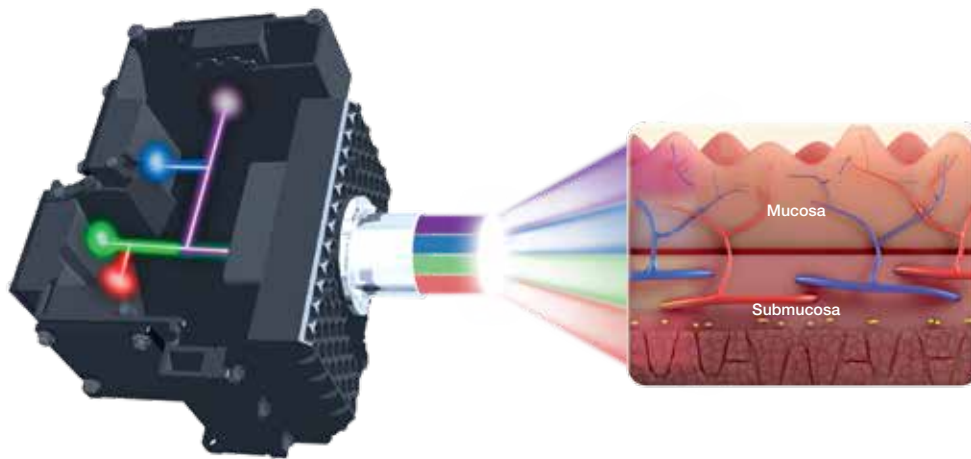
CLOSE FOCUS
Close focus observation up to 2mm supports more precise diagnosis.

MULTI LIGHT™ TECHNOLOGY



See More. Detect More. This high performance illumination system is the latest innovation in Fujifilm's medical device portfolio, and ensures that the quality of imaging meets the highest standards in brightness and contrast providing the innovative observation modes LCI and BLI. The ELUXEO™ in combination with the 500 series bronchoscopes provide detailed high-resolution imaging for both diagnosis and pre-therapeutic assessment.

OPTIMAL ILLUMINATION USING VARIABLE LED LIGHT INTENSITY



Integrated Light Source

- A high performance spectrum of light is generated from a powerful light source with four individual LED light bulbs.
- Specific light spectrum settings targeting the mucosal layers result in improved contrast and higher definition of imaging.



White Light



LCI (Linked Colour Imaging)

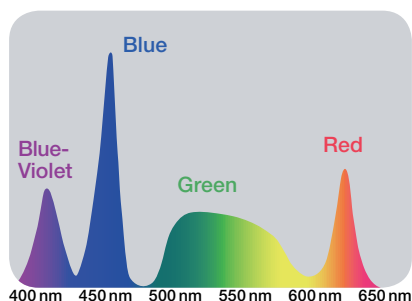


BLI (Blue Light Imaging)

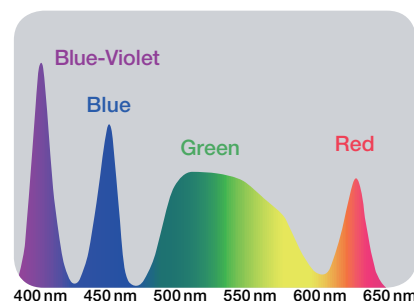
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High-intensity illumination based on Multi Light™ technology creates high-quality images with White Light Imaging and the new observation modes LCI (Linked Colour Imaging) and BLI (Blue Light Imaging). With the involvement of numerous clinical experts, the ideal composition of four LEDs for each observation mode has been developed to achieve the optimal results in illumination. With a simple push of a button, you can easily switch between the following observation modes:

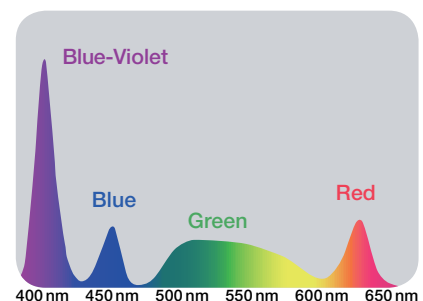
WHITE LIGHT MODE



LCI MODE



BLI MODE





VIDEO BRONCHOSCOPY, ENDOSCOPIC ULTRASONOGRAPHY, FIBEROPTIC BRONCHOSCOPY

ADVANCING IN **ENDOSCOPIC BRON**

Fujifilm's electronic bronchoscopes can meet all your requirements for enhanced endoscopic bronchial care.

Incorporation of leading endoscopic technologies means that these series can provide you with:

- High quality images to enhance efficiency in diagnosis
- Straight forward operability
- Improved insertability
- High levels of durability

Complemented by our video and image processors, our comprehensive range of endoscopes is suited to a wide variety of applications.



MEET THE NEEDS FOR DIAGNOSIS AND TREATMENT: ELECTRONIC BRONCHOSCOPES

EB-580S / EB-580T VERSATILE AND

The EB-580S, equipped with an optical lens and a Fujifilm high resolution image sensor for vivid and high quality images, can obtain a wide range of data for accurate endoscopic examination and diagnosis. The EB-580T provides a larger working channel allowing for faster suction.



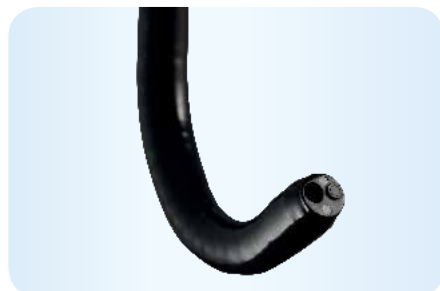
210° UP

IMPROVED
SUCTION
POWER

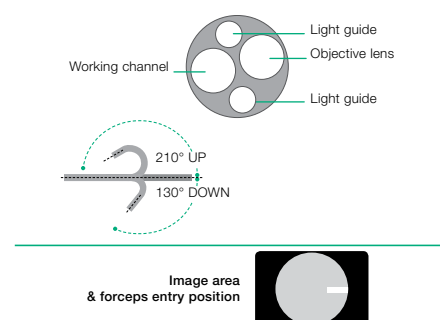
CLOSE
FOCUS

RELIABLE

VIDEO BRONCHOSCOPE **EB-580S** Standard Type



Viewing direction	0° (Forward)
Field of view	120°
Observation range	2–100 mm
Bending capability	Up 210° /Down 130°
Distal end diameter	5.3 mm
Flexible portion diameter	5.1 mm
Working channel diameter	2.2 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm)



2.2 MM WORKING CHANNEL FOR FASTER SUCTION POWER

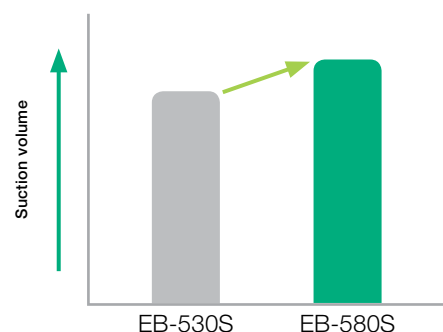
Faster suctioning offers quicker vision recovery, even during bleeding and taking biopsy. The strengthened tube of the working channel can improve durability.

210° UP ANGLE PROVIDES GREAT APPROACH ABILITY

Excellent bending capability (up angle: 210°) can improve reachability, especially to the upper lobe bronchus (B1-B3).

580 SUPER CCD & CLOSE FOCUS (2 MM)

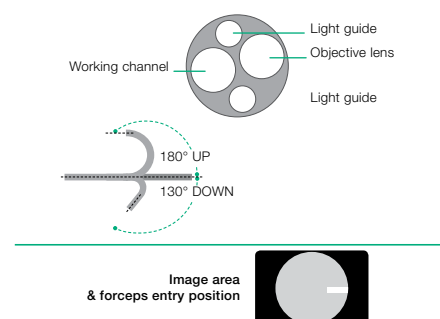
580 Super CCD and Close Focus can achieve increased secure screening and a more precise diagnosis of bronchial lesion and lung cancer.



VIDEO BRONCHOSCOPE **EB-580T** Treatment Type



Viewing direction	0° (Forward)
Field of view	120°
Observation range	2–100 mm
Bending capability	Up 180° /Down 130°
Distal end diameter	5.8 mm
Flexible portion diameter	5.9 mm
Working channel diameter	2.8 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm) Nd-Yag LASER (1064 nm)



2.8 MM WORKING CHANNEL SUPPORTING THERAPEUTIC PROCEDURES

The larger working channel of 2.8 mm allows to use various therapeutic devices, and it provides accelerated suction of blood and bodily fluids for a clearer view during observation and treatment.



LINED-UP FOR VARIOUS APPLICATIONS

530 SERIES FULL SUPPORT FOR ALL



The 530 series of electronic bronchoscopes incorporate reliable endoscopic technologies to provide you with high quality images to enhance your diagnostic capability and improve operability in all areas of bronchial care.

SUPER CCD IMAGE SENSOR

OPTIMISED TIP LAYOUT

Dual light guides:

- Eliminate areas of shadow to see more
- Provide bright and clear images

Increased working channel size (3.2 mm)

- Enables the acceptance of various forceps
- Improves suction power



PROCEDURES

THE RIGHT ENDOSCOPE FOR THE JOB

The 530 series consists of five types of bronchoscope designed for both standard and treatment functions so that you can always choose the endoscope best suited to your purpose.

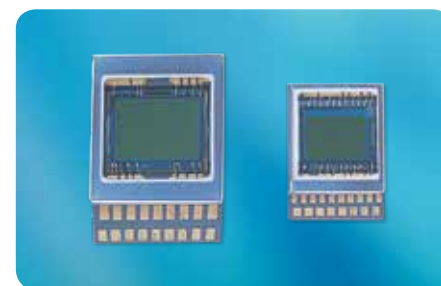
LIGHT-WEIGHT G5-GRIP ESPECIALLY FOR LONGLASTING THERAPEUTIC USAGE

The light weight grip reduces strain on the endoscopist during the procedure and is designed to fit naturally into the hands to increase manoeuvrability.



SINGLE-USE SUCTION BUTTON

The single-use suction button and improved internal structure facilitates a clean and less interrupted suction at any time.



Conventional

Super CCD

SUPER CCD IMAGE SENSOR

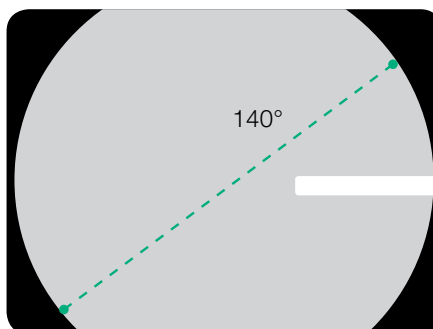
The 530 series endoscopes are equipped with a specially designed Super CCD image sensor for ultra-slim endoscopes. Using RGB filtering, the image sensor also provides vivid colors in the red spectrum which are important in endoscopic diagnoses.

EB-530H: HIGH QUALITY IMAGES WITH A 140° FIELD OF VIEW

The EB-530H has an improved field of view of 140°, which is 20° wider than the conventional view. This enables a wider observation field to be displayed in high quality without using the digital zoom-out, supporting more effective and detailed diagnoses.



EB-530H

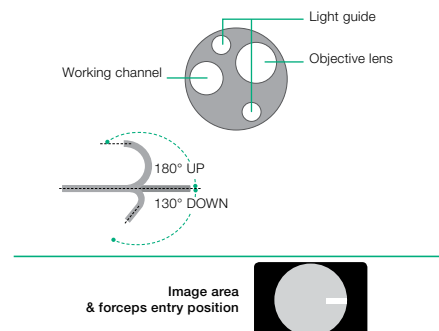




ELECTRONIC VIDEO BRONCHOSCOPE **EB-530P Slim Type**



Viewing direction	0° (Forward)
Field of view	120°
Observation range	3–100 mm
Bending capability	Up 180° / Down 130°
Distal end diameter	3.8 mm
Flexible portion diameter	3.8 mm
Working channel diameter	1.2 mm
Working length	600 mm
Total length	890 mm
LASER blocking filter	Diode LASER (810 nm)

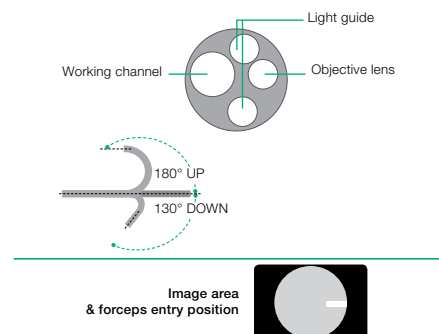


SLIM DIAMETER

ELECTRONIC VIDEO BRONCHOSCOPE **EB-530S Standard Type**



Viewing direction	0° (Forward)
Field of view	120°
Observation range	3–100 mm
Bending capability	Up 180° / Down 130°
Distal end diameter	4.9 mm
Flexible portion diameter	4.9 mm
Working channel diameter	2.0 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm)

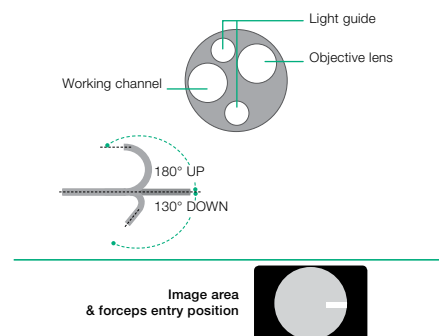


HIGH FREQUENCY COMPATIBILITY

ELECTRONIC VIDEO BRONCHOSCOPE **EB-530H Standard Type**



Viewing direction	0° (Forward)
Field of view	140°
Observation range	3–100 mm
Bending capability	Up 180° / Down 130°
Distal end diameter	5.4 mm
Flexible portion diameter	4.9 mm
Working channel diameter	2.0 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm)

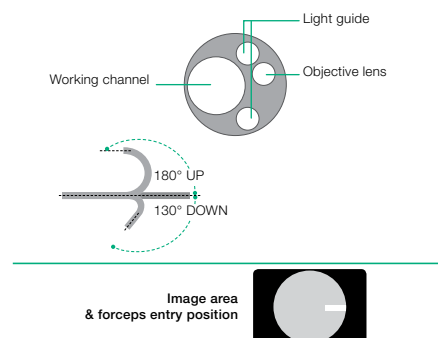


HIGH FREQUENCY COMPATIBILITY
WIDE VIEW 140°

ELECTRONIC VIDEO BRONCHOSCOPE **EB-530T** Treatment Type



Viewing direction	0° (Forward)
Field of view	120°
Observation range	3–100 mm
Bending capability	Up 180° / Down 130°
Distal end diameter	5.8 mm
Flexible portion diameter	5.9 mm
Working channel diameter	2.8 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm)

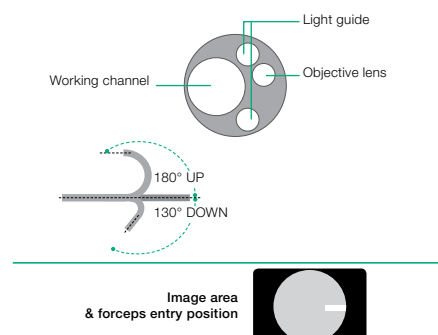


HIGH FREQUENCY COMPATIBILITY
BIG CHANNEL 2.8 MM

ELECTRONIC VIDEO BRONCHOSCOPE **EB-530XT** Treatment Type



Viewing direction	0° (Forward)
Field of view	120°
Observation range	3–100 mm
Bending capability	Up 180° / Down 130°
Distal end diameter	6.2 mm
Flexible portion diameter	6.3 mm
Working channel diameter	3.2 mm
Working length	600 mm
Total length	870 mm
LASER blocking filter	Diode LASER (810 nm)



HIGH FREQUENCY COMPATIBILITY
LARGEST CHANNEL 3.2 MM



ELUXEO™ Lite EP-6000



VIDEO PROCESSOR WITH BUILT-IN LED LIGHT SOURCE

The ELUXEO™ Lite EP-6000 combines a reliable 3-LED light source with a processor that enables you to make use of the many features provided by Fujifilm's wide range of scopes. Combined with the EB-580S the innovative visualisation modes LCI (Linked Colour Imaging) and BLI (Blue Light Imaging) are available.

Due to the use of economical LED lamps with a long durability this system is very eco-friendly. It is compatible with the 530 and 580 series bronchoscopes. The ELUXEO™ Lite EP-6000 creates quality images and videos displayed in full HD on the monitor. Automatic back-up mode for data storage is integrated and the processor is also DICOM compatible.

Light Source	3 LED
IEE modes	BLI, BLI-bright, LCI, FICE
Outputs	DVI-D x 2, RGB-TV x 1, S VIDEO x 1, VIDEO x 1
Mask type	Full HD, SXGA
Internal memory	4 GB
External memory	USB (2GB)
EUS compatibility	SU-1
Power rating	100-240 V / 50/60 Hz / 2.0-1.1 A
Dimensions (WxHxD)	395 x 210 x 485 mm (including projection)
Weight	15.0 kg



VIDEO PROCESSOR EPX-3500HD

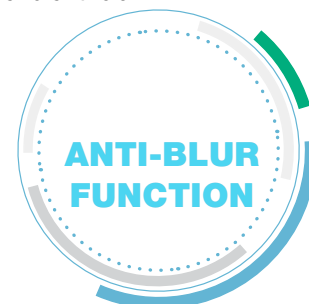


ADVANCED ENDOSCOPIC DIAGNOSTIC AND THERAPY

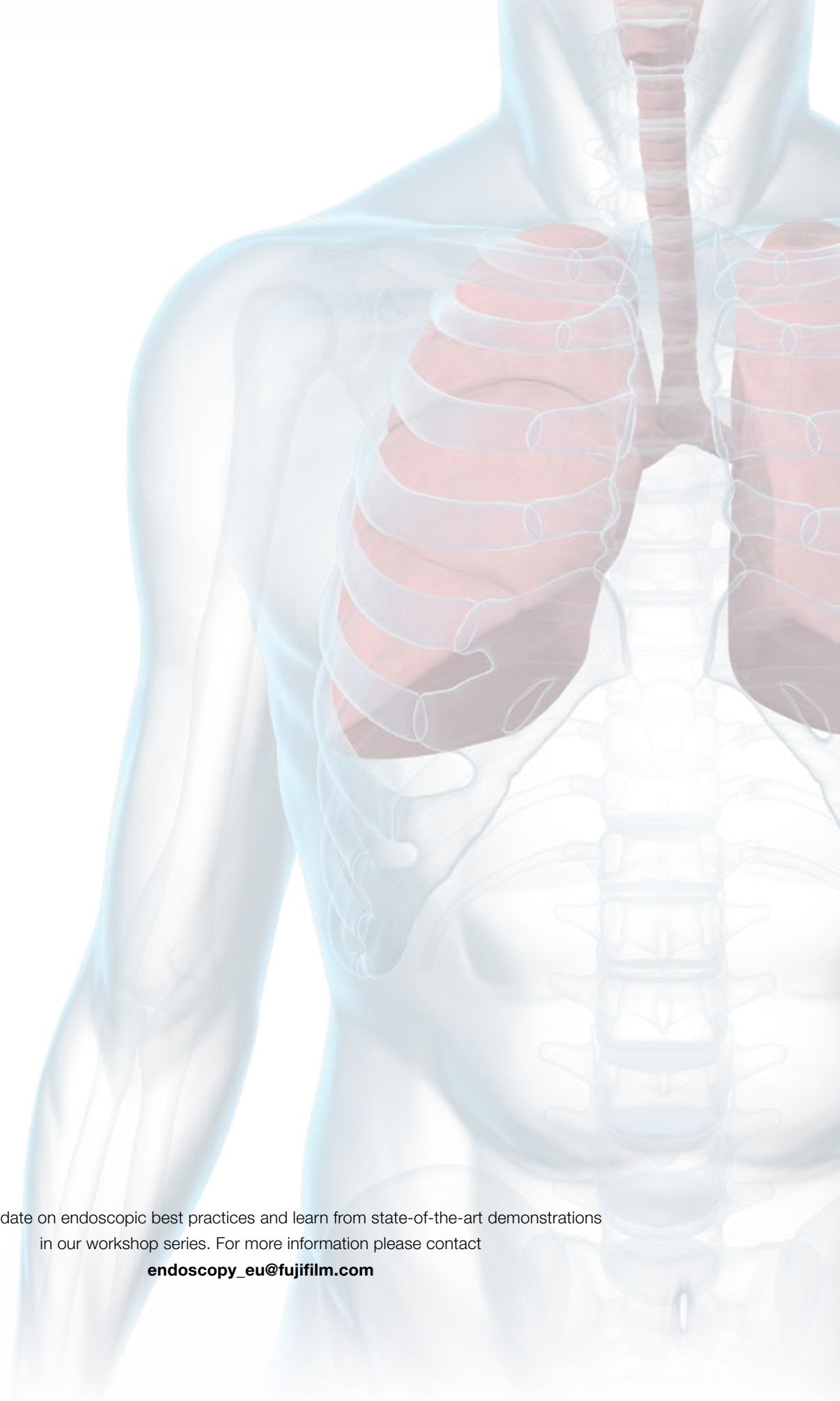
With its advanced image processing technology, the EPX-3500HD supports both endoscopic diagnostics and therapies. It offers clear images from superior functions such as structure enhancement (FICE), automatic light control and anti-blur. The EPX-3500HD is compatible with our full range of 580 and 530 bronchoscope series.

THREE PRE-DEFINED FICE PATTERNS AVAILABLE

Digital output	2 x DVI (1280 x 1024 p or 1920 x 1080 p)
Analog output	1 x RGB TV (PAL, RGB+SYNC), 1 x S-VIDEO (Y/C), 1 x VIDEO (Composite)
Control terminal	2 x Remote, 2 x Peripheral, 1 x Keyboard, 1 x Card reader, 1 x Aux, 1 x Digital printer, 1 x Foot switch, 1 x Ethernet (100/10 Base)
Color adjustment	Brightness, Red, Green, Blue, R-Hue, Chroma, 9 steps
Contrast	3 steps
Structure emphasis	High, Mid, Low, Off
Color emphasis	High, Mid, Low, Off
FICE	3 presets (FICE 0, 1, 8)
Iris	Average/Peak/Auto
Image storage	USB Flash Drive
Power rating	AC 100 - 240 V ± 10 % 50/60Hz 1,0-0,3A*
Dimensions (W x H x D)	390 x 105 x 460mm
Weight	8kg



*less than 90VA



Stay up to date on endoscopic best practices and learn from state-of-the-art demonstrations
in our workshop series. For more information please contact
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**ADVANCING DEEPER INSIGHTS
IN ENDOSCOPY**



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