

PENTAX Medical HD+ Platform

State-of-the-art image quality in video bronchoscopy



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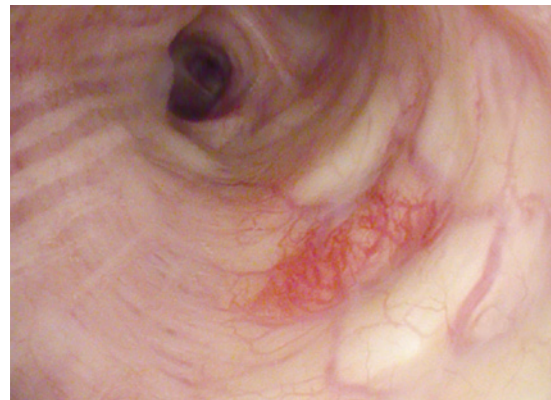
The answer to every need



EPK-i5000 Processor: From routine applications to challenging examinations

The EPK-i5000 HD+ video processor provides excellent endoscopic imaging. It combines:

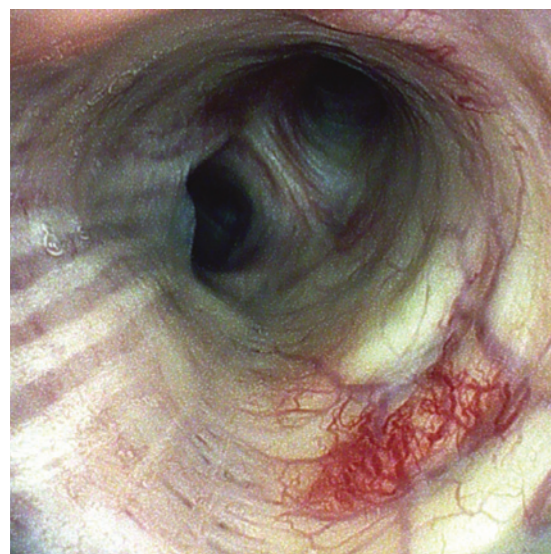
- Exceptionally high illumination
- Excellent endoscopic imaging through HD+ resolution
- Advanced i-scan image processing technology



PENTAX Medical HD+ Bronchoscopes: Take the lead

Outstanding High-Definition HD+ images set the standard in bronchoscopy. The CCD chip and the excellent illumination enable:

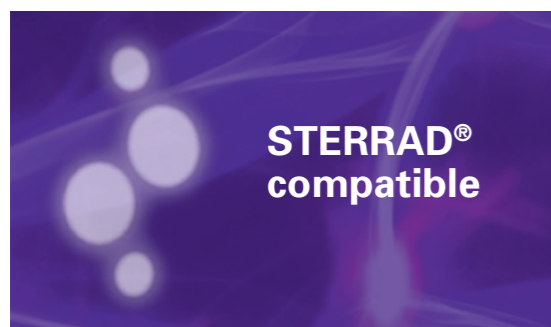
- Support in fast orientation and detection
- Significant improvement in visibility and evaluation of anatomical details of the bronchial mucosa, e.g. longitudinal elastic bands and mucosal glands
- Detailed inspection of irregular surface structures



i-scan technology: Your diagnostic support

i-scan technology supports the precise detection and characterisation of bronchial lesions by accentuating the mucosal structure – at the touch of a button:

- i-scan 1 retains natural colour tones of the bronchial mucosa and highlights mucosal surface structures which can be used for the detection of epithelial changes. No compromises: It can be kept on during the entire examination.
- i-scan 2 accentuates mucosal structures and vascular patterns. It shows clearer endoscopic outlines and margins of bronchial lesions. These details are helpful to demarcate and characterise bronchial lesions and cancer types.
- i-scan 3 further enhances visibility of the vessel pattern and helps in the localisation of safe biopsy sites.



STERRAD® compatibility: Fulfills high reprocessing expectations

The STERRAD® compatible bronchoscopes meet high reprocessing demands due to:

- New material for endoscope components
- More frequent use thanks to short sterilization time
- Newly designed model plates differentiate from non-compatible endoscopes

Manufacturer's premium service

We keep your endoscope in the best condition

A special sensibility regarding reprocessing is needed because of the rising occurrence of nosocomial infections and of resistant pathogens. To meet your sterilization requirements, we developed the STERRAD® compatible bronchoscopes. After a long period of research and testing, we are now using materials compatible with STERRAD® 50, 100S and NX.

PENTAX Medical bronchoscopes are capable of withstanding the wear and tear of STERRAD® sterilization up to 100 cycles. After 100 examinations the bronchoscopes should be returned to the PENTAX Medical service facility for inspection and component replacement.

A premium service concept has been designed to offer you a smooth process to keep your scope at the best performance.

- Our cycle counter simplifies replacement process planning
- During servicing we will provide you with loaner bronchoscopes
- We provide an efficient maintenance procedure with renown premium PENTAX Medical service quality



Premium Service Portfolio



Premium Consulting Quality



Original PENTAX Medical Parts



Premium Repair Standard

Specifications

Video Bronchoscopes EB-1990i / EB-1575K / EB-1975K

Product	Insertion tube [ø mm]	Distal end [ø mm]	Instrument channel [ø mm]	Working length [mm]	Field of view [°]	Tip deflection up/down [°]	Dept of field
EB-1990i*	6.4	6.6	1.2	600	120	180/130	3-50
EB-1575K	5.2	5.5	2.0	600	120	210/130	3-50
EB-1975K	6.4	6.3	2.8	600	120	180/130	3-50

*HD+ Image

EPK-i5000 Video Processor

HD+ video outputs*	DVI, VGA
Standard video outputs	RGB, Y/C, composite
User interface	Control panel, keyboard
i-scan virtual chromoendoscopy	Quick access via i-scan keys 1, 2, 3
Light source	300W Xenon
Dimensions (W x H x D / weight)	400 x 205 x 485 mm / 22.0 kg

*HD+ image quality in conjunction with 90i endoscopes