

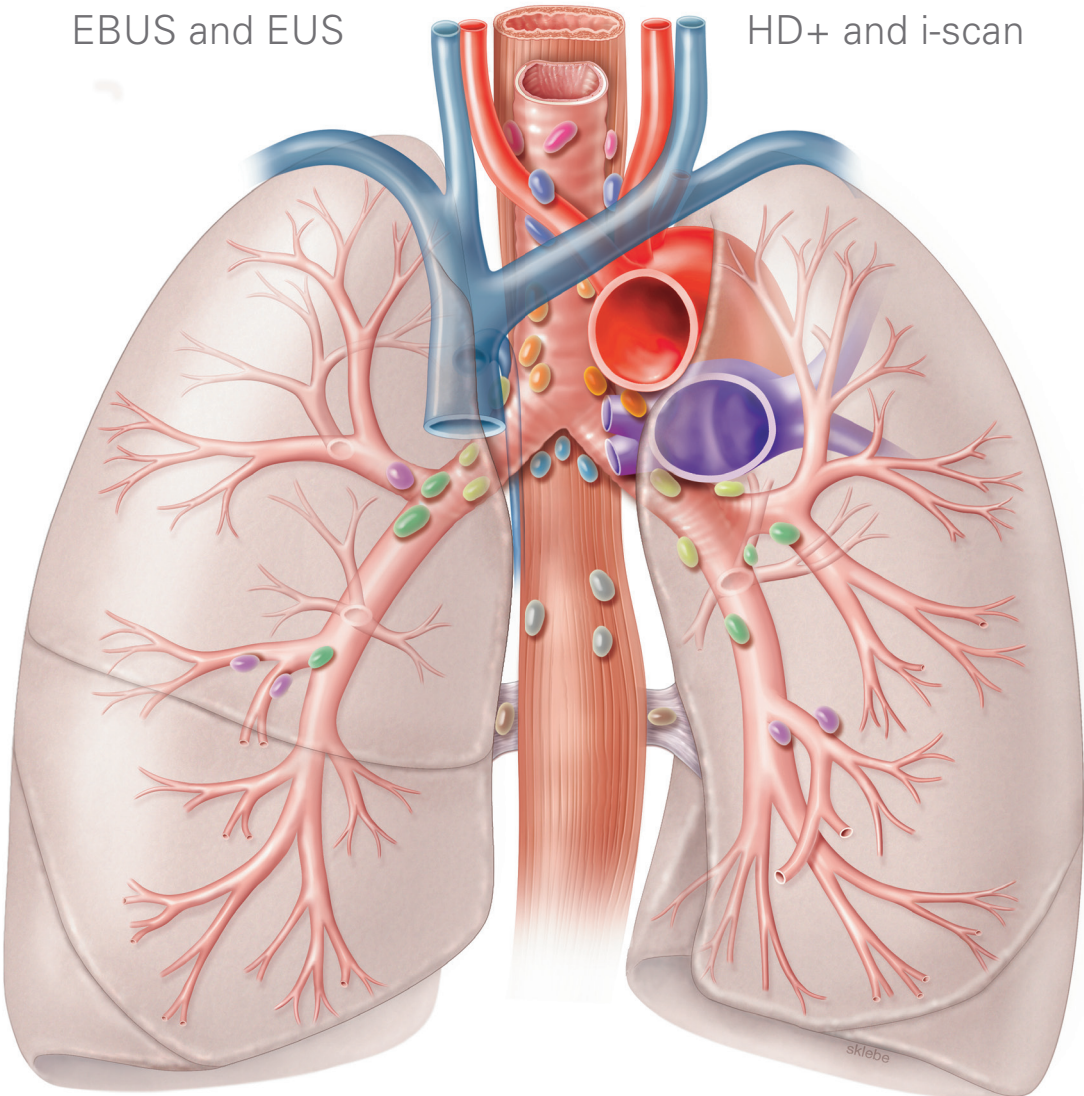
PENTAX Medical

Maximum support from detection to diagnosis

Superior imaging and treatment modalities.

EBUS and EUS

HD+ and i-scan



EBUS

The outstanding image quality of the EB-1970UK offers an uncompromising foundation for detection and staging of lymph nodes and tumours in the lung.

Endobronchial ultrasound and real-time EBUS-TBNA contribute to a more reliable diagnosis - becoming a standard for optimal patient care.

Elastography is an imaging modality that evaluates the relative stiffness of tissue within the body, by its response to compression and may help in more precise staging and diagnosis.

EUS

The EG-3270UK combines the feasibility of Fine Needle Aspiration (FNA) with excellent ultrasound image quality.

This unique combination sets a new standard in endoscopic ultrasound for everyday practice; easy to use and applicable to a wide range of procedures.

The combination of EBUS-TBNA and EUS-FNA may lead to an increase of the diagnostic accuracy compared to each technique alone.

HD+ image

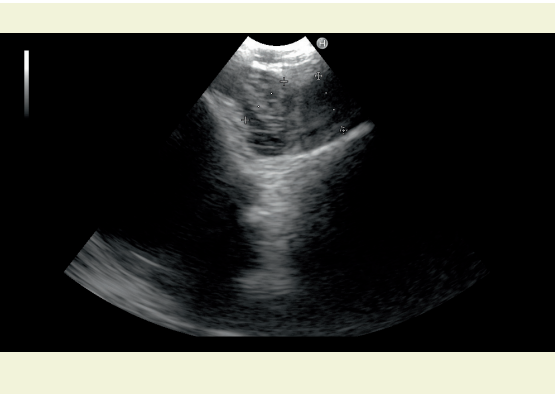
Unique High-Definition (HD+) images and excellent illumination support fast orientation and detection.

It significantly improves the visibility and evaluation of anatomical details of the bronchial mucosa.

i-scan

HD+ combined with i-scan technology offers enhancement of lesion margins and vessels architecture supporting easier demarcation of suspicious areas and characterisation of mucosal abnormalities.

Significantly improves the endoscopic diagnosis by supporting the identification of areas to be treated.



Endoscopic Ultrasound

| Type | EB-1970UK | EG-3270UK |
|-------------------------------------|-----------------------|-----------------------|
| Direction of viewing field | Forward oblique [45°] | Forward oblique [50°] |
| Field of view [°] | 100 | 120 |
| Dept of field [mm] | 2-50 | 5-100 |
| Tip deflection up/down [°] | 120/90 | 130/130 |
| Insertion tube [ø mm] | 6.3 | 10.8 |
| Distal end [ø mm] | 7.4 | 12 |
| Distal end diameter US probe [ø mm] | 6,5 x 7,0 | 11.5 |
| Instrument channel [ø mm] | 2.0 | 2.8 |
| Working length [mm] | 600 | 1.250 |
| Scanning angle [°] | 75 | 120 |
| Acoustic Frequency [MHz] | 5-10 switchable | 5-10 switchable |
| Scanning direction | Longitudinal | Longitudinal |
| Scanning system | Convex | Convex |

Interventional Bronchoscopes

| Type | EB-1990i* | EB-1575K | EB-1975K |
|----------------------------|---|----------|----------|
| Insertion tube [mm] | 6.4 | 5.2 | 6.4 |
| Distal end [mm] | 6.6 | 5.5 | 6.3 |
| Instrument channel [mm] | 1.2 | 2.0 | 2.8 |
| Working lenght [mm] | 600 | 600 | 600 |
| Field of view [°] | 120 | 120 | 120 |
| Tip deflection up/down [°] | 180/130 | 210/130 | 180/130 |
| Depth of field [mm] | 3-50 | 3-50 | 3-50 |
| Remarks | STERRAD® compatible (applies to all three products) | | |
| | *HD+ Image | | |

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