

Digital High Resolution Endoscopy Video Colour CCD



Colonoscopes

Outstanding insertion control:
safer, gentler, faster.



The increasing demand for modern precautionary/screening assessments and therapy, calls for instruments capable of providing fast, precise and above all safe examinations. PENTAX Colonoscopes are ideally suited to this new era, both in the hospital and in doctors' practices, offering a complete and comprehensive system.

Outstanding performance characteristics



Maximum Working Comfort

- PENTAX GDF concept* delivers the optimum performance of endoscope insertion control and avoidance of loops.
- Comprehensive model line-up including, slim, routine, magnifying and two-channel instruments.
- Optimum size working channels (up to 4.2mm) and a choice of working lengths.
- Ergonomically designed lightweight control body and remote control buttons for enhanced user performance.
- PENTAX Anti-Loop Connector: up to 180° axially rotatable Light Guide connector head improves user safety and manoeuvrability.
- Water-Jet-System² for effective clearance of viewing area.

Unique Hygiene

- PENTAX CleanCap-System¹: detachable distal end cap provides access to internal channels, including air and water, for effective mechanical brush cleaning.
- Improved reprocessing performance with the new PENTAX Safety Seal.

Superb Digital Imaging & Image Processing

- PENTAX FVT (Full Vision Technology) delivers large format images with superior colour reproduction for effective mucosa evaluations.
- Fully digital system: combination of PENTAX DSP Technology (Digital Signal Processing), high resolution Colour CCD Chips and the latest digital video processors.

PENTAX Quality & Service Programme

- The PENTAX brand continues to be recognised for delivering cost effective products of exceptional quality and durability.
- Industry leading service plans, consultancy, financing, technical service and training.

¹ PENTAX CleanCap System in 85K Series only.

² PENTAX Water-Jet-System in 70K Series only.

Diagnostic/Therapeutic Colonoscopes* & Sigmoidoscopes

Type	Slim	Multi-Purpose		Two-Channel	Zoom	Sigmoidoscope
Digital System	EC-3470K	EC-3870K	EC-3870K ³	EC-3870TK	EC-3870ZK	ES-3870K
Digital CleanCap System	EC-3485K	EC-3885K	EC-3885K ³	EC-3885TK		ES-3885K
Angle of view (°)	140					
Focal range (mm)	3-100					
Insertion tube diameter (mm)	11.6	12.8				
Instrument channel diameter (mm)	3.8	4.2		2.8/3.8	3.8	4,2
Tip deflection (°) up/down right/left	180/180 160/160					
Available working lengths (mm)	1300/1500/1700	1300/1500		1300/1500/1700		700

* Fitted with enhanced PENTAX GDF: graduated rigidity of insertion tube.

³ Insertion tube with increased rigidity in comparison with standard equipment.

Note: Introduction and specifications are subject to change without prior notice and without obligation on the part of the manufacturer.

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