

Digital High Resolution Video Endoscopy



Classic Line

Where quality, price and routine endoscopy meet



Why high performance for low investment is the better concept for modern routine.

An increasing demand for efficiency in GI endoscopy calls for cost reductions and savings in instruments which must be capable of high quality, routine examinations whilst available at a moderate price. PENTAX Classic Line instruments are ideally suited to meet these demands. Comprising of Colonoscopes, a Gastroscope and a Video Processor, the Classic Line instruments use proven PENTAX digital technology and are designed as a cost effective solution for both hospitals and private practices.

Outstanding performance characteristics: PENTAX Classic Line



Maximum Working Comfort

- PENTAX GDF concept¹ (graduated flexibility) delivers the optimum performance of colonoscope insertion control and avoidance of loops.
- Ergonomically designed control body and remote control buttons for quicker procedures and reduced user fatigue.
- PENTAX Anti-Loop Connector: up to 180° axially rotatable connector head improves user safety and manoeuvrability.
- Optimum size working channels facilitate the best therapeutic practices.
- A choice of colonoscope working lengths (1500mm or 1700mm).
- Improved tip deflection for enhanced navigation and optimum views.
- Improved reprocessing performance with the new PENTAX Safety Seal.

Superb Digital Imaging

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

Enhanced Compatibility

- Classic Line endoscopes are compatible with all PENTAX K-Series Video Processors: EPK-100p, EPK-1000 and EPK-700.

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.

¹If fitted with GDF for colonoscopes: graduated flexibility of insertion tube.



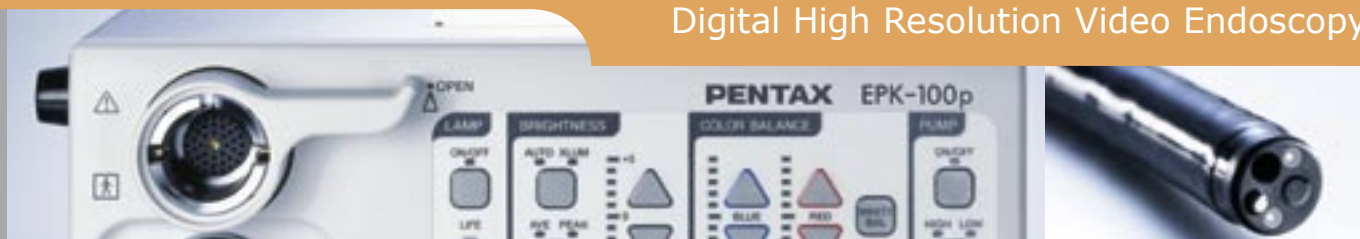


Diagnostic & Therapeutic applications: Classic Line Gastroscope and Colonoscopes

Type	Gastroscope	Colonoscopes ¹
Specifications	EG-290Kp	EC-380FK2p ² / EC-380LKp
Angle of view (°)	140	
Focal range (mm)	5-100	3-100
Ø Insertion tube (mm)	9.8	13.2
Ø Instrument channel (mm)	2.8	3.8
Tip deflection (°) up/down right/left	210/120 120/120	180/180 160/160
Working length (mm)	1050	1500 (F) / 1700 (L)
Total length (mm)	1370	1823 (F) / 2023 (L)

²Insertion tube with increased rigidity in comparison with standard equipment.





Outstanding performance characteristics: Classic Line EPK-100p Digital Video Processor



- Superb Image Processing & Maximum working comfort
- Superb illumination with a high-performance Xenon light source and digital brightness control
- Easy and intuitive data management for rapid storage and management of patient and user data.
- Effective Digital Video Processing for the most common applications

EPK-100p technical data

Type	EPK-100p
Light source/colour temperature	100 W Xenon/≤6500K
Brightness control/System	automatic/manual (11 steps)/average/peak
Colour correction	red/blue ± 5 steps
Contour enhancement	4 steps
Data management	30 patients/50 users
Outputs	1 x RGB, 2x Y/C (S-VHS), 1 x Composite (FBAS)
Dimensions (W x H x D)/Weight	380 x 150 x 400 mm/15kg



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