



PENTAX LIFE CARE Europe

PENTAX LIFE CARE Europe is setting new standards in endoscopic diagnosis and therapy through the combination of technological innovation and medical responsibility.

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Hi Line Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Ultra Slim Gastroscope			
EG-1690K	5.4	2.0	1100
Slim Gastroscope			
EG-2490K	8.0	2.4	1050
Routine Gastroscopes			
EG-2790K	9.0	2.8	1050
EG-2990K	9.8	2.8	1050
EG-2990i	9.8	2.8	1050
Therapeutic Gastroscope			
EG-3490K	11.6	3.8	1050
Two-Channel Gastroscope			
EG-3890TK	12.8	3.8/2.8	1050
Duodenoscope			
ED-3490TK	11.6	4.2	1250
Slim Colonoscopes*			
EC-3490FK	11.6	3.8	1500
EC-3490LK	11.6	3.8	1700
EC-3490Fi	11.6	3.2	1500
EC-3490Li	11.6	3.2	1700
Slim/Therapeutic Colonoscopes*			
EC-3490TMI	11.6	3.2	1300
EC-3490TFI	11.6	3.2	1500
EC-3490TLi	11.6	3.2	1700
Routine Colonoscopes*			
EC-3890MK/MK2¹	13.2	4.2	1300
EC-3890FK/FK2	13.2	4.2	1500
EC-3890LK	13.2	4.2	1700
EC-3890Mi/Mi2¹	13.2	3.8	1300
EC-3890Fi/Fi2¹	13.2	3.8	1500
EC-3890Li	13.2	3.8	1700
Two-Channel Colonoscopes*			
EC-3890TFK	13.2	3.8/2.8	1500
EC-3890TLK	13.2	3.8/2.8	1700

(90i scopes only compatible with EPK-i)

* Fitted with GDF: graduated flexibility of the insertion tube

¹ Insertion tube with increased rigidity in comparison with standard equipment

Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Ultra Slim Gastroscopes			
EG-1580K	5.1	2.0	1050
EG-1870K	6.0	2.0	1050
Routine Gastroscope			
EG-2985K¹	9.8	2.8	1050
Therapeutic Gastroscope			
EG-3485K¹	11.6	3.8	1050
Two-Channel Gastroscope			
EG-3885TK	12.8	3.8/2.8	1050
Zoom Gastroscope			
EG-3470ZK	11.6	2.8	1050
Duodenoscopes			
ED-3280K¹	10.8	3.2	1250
ED-3480TK¹	11.6	4.2	1250
ED-3680TK¹	12.1	4.8	1250



¹ Unique "CleanCap System"



Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Slim Colonoscopes*			
EC-3485FK ¹	11.6	3.8	1500
EC-3485LK ¹	11.6	3.8	1700
Routine Colonoscopes*			
EC-3885MK2 ^{1,2}	12.8	4.2	1300
EC-3885FK ¹	12.8	4.2	1500
EC-3885FK2 ^{1,2}	12.8	4.2	1500
EC-3885LK ¹	12.8	4.2	1700
Two-Channel Colonoscopes*			
EC-3885TFK ¹	12.8	3.8/2.8	1500
EC-3885TLK ¹	12.8	3.8/2.8	1700
Zoom Colonoscope*			
EC-3870LZK	12.8	3.8	1700
Sigmoidoscopes*			
ES-3885K ¹	12.8	4.2	700
ES-3870K	12.8	4.2	700

High-Resolution Monochrome Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Routine Gastroscope			
EG-2985 ¹	9.8	3.2	1050
Therapeutic Gastroscope			
EG-3485 ¹	11.6	3.8	1050
Therapeutic Duodenoscope			
ED-3485T ¹	11.6	4.2	1250
Routine Colonoscopes*			
EC-3885F ¹	12.8	4.2	1500
EC-3885L ¹	12.8	4.2	1700



* Fitted with GDF: graduated flexibility of the insertion tube

¹ Unique "CleanCap System"

² Insertion tube with increased rigidity in comparison with standard equipment

* Fitted with GDF: graduated flexibility of the insertion tube

¹ Unique "CleanCap System"

² Insertion tube with increased rigidity in comparison with standard equipment



High-Quality Fibreoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Transnasal Gastrosopes			
FG-15W	4.9	2.0	1050
FG-16V	5.3	2.0	925
Slim Gastroscope			
FG-24W¹	7.9	2.2	1050
Routine Gastroscope			
FG-29W¹	9.8	2.8	1050
Therapeutic Gastroscope			
FG-34W¹	11.3	3.8	1050
Therapeutic Duodenoscope			
FD-34W¹	11.3	4.2	1250
Routine Colonoscopes*			
FC-38MW¹	12.8	3.8	1300
FC-38FW¹	12.8	3.8	1500
FC-38FW2^{1,2}	12.8	3.8	1500
FC-38LW¹	12.8	3.8	1700
Sigmoidoscope*			
FS-34W¹	11.5	3.5	700



Ultrasound Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Electronic radial Ultrasound Video Endoscopes			
EG-3670URK¹	12.1	2.4	1250
EG-3630UR^{1,2}	12.1	2.4	1250
Electronic longitudinal Ultrasound Video Endoscope			
EG-3630U¹	12.1	2.4	1250
Therapeutic electronic longitudinal Ultrasound Video Endoscopes			
EG-3870UTK¹	12.8	3.8	1250
EG-3830UT¹	12.8	3.8	1250
Electronic longitudinal Ultrasound Fibre Optic Endoscopes			
FG-34UX¹	11.5	2.0	1250
FG-36UX¹	12.1	2.4	1250



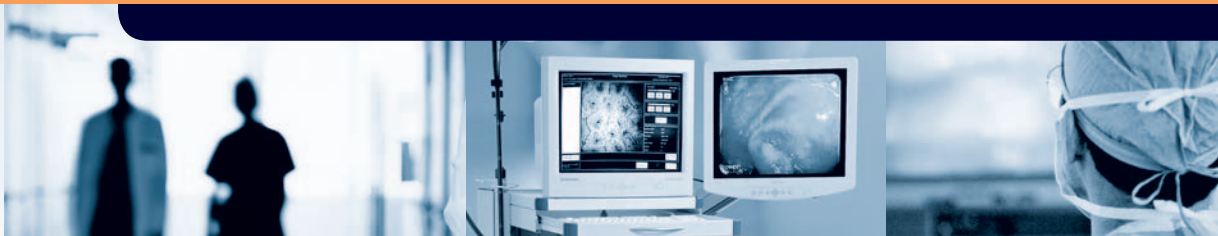
* Fitted with GDF: graduated flexibility of the insertion tube

¹ Unique "CleanCap System"

² Insertion tube with increased rigidity in comparison with standard equipment

¹ Colour Doppler

² The world's first electronic radial type of Ultrasound Endoscopes



Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Gastroscope			
EG-290Kp	9.8	2.8	1050
Colonoscopes*			
EC-380MK2p²	13.2	3.8	1300
EC-380FKp	13.2	3.8	1500
EC-380FK2p²	13.2	3.8	1500
EC-380LKp	13.2	3.8	1700

Confocal Endomicroscopy

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Confocal Gastroscope			
EG-3870CIK	12.8	2.8	1050
Confocal Colonoscopes			
EC-3870CIFK	12.8	2.8	1500
EC-3870CIFK2²	12.8	2.8	1500
EC-3870CILK	12.8	2.8	1700

Confocal Imaging System ISC-1000

Product	Description
CU-1000	Control unit for instrument control, image capture and processing functions
OU-1000	Optical unit for laser illumination and fluorescence detection functions
Monitor	Confocal monitor to display the endomicroscopic images
Isolation Transformer	For supplying power to all components of the ISC-1000 system and for keeping the leakage currents on low level.



* Fitted with GDF: graduated flexibility of the insertion tube

² Insertion tube with increased rigidity in comparison with standard equipment

² Insertion tube with increased rigidity in comparison with standard equipment



Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Slim Bronchoscope			
EB-1170K	3.7	1.2	600
Routine Bronchoscopes			
EB-1570K*	5.1	2.0	600
EB-1570AK*¹	5.1	2.0	600
Therapeutic Bronchoscopes			
EB-1970K*¹	6.2	2.8	600
EB-1970AK*¹	6.2	2.8	600
EB-1970TK*	6.3	3.2	600
Electronic longitudinal Ultrasound Bronchoscope			
EB-1970UK	6.3	2.0	600

High-Resolution Monochrome Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Routine Bronchoscope			
EB-1570*	5.1	2.0	600
Therapeutic Bronchoscope			
EB-1970*	6.2	2.8	600



High-Quality Fibreoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Paediatric Bronchoscope			
FB-8V	2.8	1.2	600
Slim Bronchoscope			
FB-10V	3.5	1.2	600
Routine Bronchoscopes			
FB-15P	4.9	2.2	600
FB-15V*	4.9	2.2	600
Therapeutic Bronchoscopes			
FB-18P	6.0	2.8	600
FB-18V*	6.0	2.8	600
FB-19TV*	6.2	3.2	600
Portable Bronchoscopes			
FB-15BS	4.9	2.0	600
FB-18BS	6.0	2.6	600



* HF compatible

¹ Operated in conjunction with SAFE-3000 Video/Video Autofluorescence Processor only.

* HF compatible



Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Diagnostic Naso-Pharyngo-Laryngoscope			
VNL-1170K*	3.7	-	300

High-Resolution Monochrome Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Diagnostic Naso-Pharyngo-Laryngoscope			
VNL-1170	3.7	-	300

High-Quality Fibreoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Ultra-Slim Naso-Pharyngo-Laryngoscope			
FNL-7RP3	2.4	-	300
Diagnostic Naso-Pharyngo-Laryngoscopes			
FNL-10RP3	3.5	-	300
FNL-10RAP	3.5	1.2	350
Therapeutic Naso-Pharyngo-Laryngoscopes			
FNL-13RAP	4.2	1.2	350
FNL-15RP3	4.9	2.2	300
Portable Naso-Pharyngo-Laryngoscope			
FNL-10RBS	3.5	-	300



* Separate video processor and light-guide connectors for easy connection to a stroboscopic light source



High-Quality Fiberoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Portable Intubation Scopes			
FI-7BS	2.4	-	600
FI-9BS	3.1	1.2	600
FI-10BS	3.5	1.4	600
FI-13BS	4.2	1.8	600
FI-16BS	5.2	2.6	600



Digital High-Resolution Video Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Cystoscope			
ECY-1570K	5.1	2.0	400

High-Resolution Monochrome Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Cystoscope			
ECY-1570	5.1	2.0	400

High-Quality Fiberoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Portable Cystoscope			
FCY-15RBS	4.9	2.2	400
Slim Ureteroscope			
FUR-9P	3.1	1.2	700

Special Endoscopes



High-Quality Fiberoptic Endoscopes

Product	Insertion Tube ø mm	Instrument Channel ø mm	Working Length mm
Cholangioscope (Babyscope – ERCP)			
FCP-9P	3.1	1.2	1900
Choledocho-Nephroscope			
FCN-15X	4.9	2.2	350

Video Processors & Light Sources



Hi Line Video Processor EPK-i

Type	Description
HD+ video*	SXGA (native) via DVI-D
Standard video outputs	RGBS, Y/C, DV
Colour correction	Red/blue \pm 5 levels
Light source	300 W Xenon
Data management	50 patient records / 50 users
Dimensions (W x H x D / weight)	430 x 205 x 485 mm / 26.5 kg



The PENTAX Hi Line system sets new standards for state-of-the-art endoscopy. The system now features professional, high-definition HD+ technology.

The HD+ images created by the combined PENTAX EPK-i processor and 90i endoscope currently provide the highest endoscopic image resolution available. Trust your experienced hands and eyes and enjoy exceptional visual quality and innovative operation.

Digital High-Resolution Video Processors

Product	Description
EPK-1000	Digital High-Resolution Video Processor, 100 W Xenon
EPK-100p	Classic Line Video Processor, 100 W Xenon
SAFE-3000	Digital High-Resolution Video/Video Autofluorescence Processor 300 W Xenon, Laser Diode 408 nm

Light Source

Product	Description
LH-150PC	Halogen Light Source 150 W, with air/water insufflation pump



* HD+ images only in conjunction with EPK-i and 90i scopes

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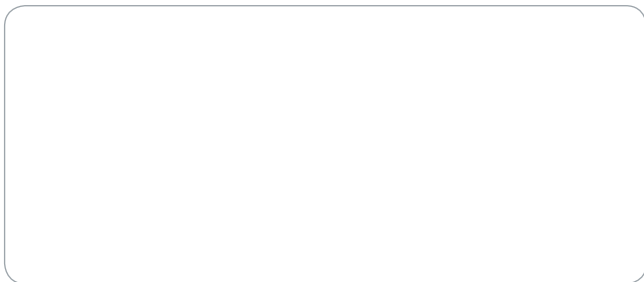
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Product Overview

Discover the fascinating world
of PENTAX endoscopy

Your PENTAX sales representative:



Specifications are subject to change without prior notice and without any obligation on the part of the manufacturer.

HOYA Corporation
EN ISO 13485 certified

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