



The **EPK-i** video processor.

Experience the full spectrum of leading
image processing technology.

PENTAX



Visual and unlimited precision with i-scan.

The PENTAX video processor EPK-i sets the premium standard in video endoscopy. Excellent illumination in conjunction with the megapixel CCD color chip of the PENTAX 90i endoscopes allow the processor to create images in unique HD+ quality.

The EPK-i is the perfect processor for users who wish to utilise all aspects of advanced endoscopic imaging. To this end, the full spectrum of the innovative i-scan image processing mode is available for advanced examination methods. When evaluating surface structures, i-scan provides outstanding precision. Each function of the EPK-i processor can be easily controlled and each setting can be precisely tailored to your requirements with the aid of the intuitive touch screen.

EPK-i video processor

EPK-i

HD+ Video*	SXGA (native resolution) via DVI-D
Standard video outputs	RGB, Y/C, Composite
User interface	Intuitive touch screen, keyboard
i-scan virtual chromoendoscopy	Full access via touch screen
Light source	300W Xenon
Electronic zoom / PinP	Yes/yes
Dimensions (W x H x D / weight)	430 x 205 x 485 mm / 26.5 kg

*HD+ image quality in conjunction with 90i endoscopes

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The **EPK-i5000** video processor.

Operate i-scan quickly and comfortably.

PENTAX



The HD+ processor which takes your needs into account.

For users that require standard functions offered by state-of-the-art imaging technology in their day-to-day clinical work, the PENTAX EPK-i5000 video processor is the ideal device. The processor combines excellent illumination and unique HD+ quality. It also features the innovative i-scan image processing technology which provides outstanding precision when assessing surface structures.

The three main i-scan profiles are preset on the EPK-i5000 and can be selected at the touch of a button. This puts an affordable technology which fulfils all your needs for an advanced examination at your disposal.

EPK-i5000 video processor

EPK-i5000

HD+ Video*	SXGA (native resolution) via DVI-D, 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 480 mm / 21.0 kg

*HD+ image quality in conjunction with 90i endoscopes

PENTAX



The 90i and 90K scopes series.

The redefinition of high-definition.

The PENTAX 90i and 90K endoscope series are the natural choice for a precise examination. The world's first megapixel CCD delivers images of extraordinarily high resolution. In combination with excellent illumination, this supports better orientation and detection in endoscopic procedures.

With their wide range of interesting features, these endoscopes enable you to fully exploit HD+ performance. The graduated flexibility allows optimal insertion control of endoscopes, while advanced ergonomics make for increased maneuverability, control and comfort.

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A wide range of high-performance instruments.

	Product	Insertion tube [ø mm]	Instrument channel [ø mm]	Working length [mm]	Total length [mm]	Angle of view [mm]	Focal range [mm]	Tip deflection up/down [°]	Tip deflection right/left [°]
Gastroscope 90i Gastrosopes 90K	EG-2990i	9.8	2.8	1,050	1,373	140	5-100	210/120	120/120
	EG-1690K	5.4	2.0	1,100	1,423	120	4-100	210/120	120/120
	EG-2490K	8.0	2.4	1,050	1,373	140	4-100	210/120	120/120
	EG-2790K	9.0	2.8	1,050	1,373	140	4-100	210/120	120/120
	EG-2990K	9.8	2.8	1,050	1,373	140	4-100	210/120	120/120
	EG-3490K	11.6	3.8	1,050	1,373	140	4-100	210/120	120/120
	EG-3890TK	12.8	3.8/2.8	1,050	1,383	140	4-100	180/120	120/120

Duodoscope Enteroscope	ED-3490TK	11.6	4.2	1,250	1,573	100 (retro 10)	4-60	120/90	105/90
	VSB-2990i	9.8	2.8	2,200	2,523	140	3-100	180/180	160/160

Colonoscopes 90i	EC-3490Fi	11.6	3.2	1,500	1,823	140	4-100	180/180	160/160
	EC-3490Li	11.6	3.2	1,700	2,023	140	4-100	180/180	160/160
	EC-3490Tmi	11.6	3.2	1,300	1,623	140	3-100	210/180	160/160
	EC-3490TFi	11.6	3.2	1,500	1,823	140	3-100	210/180	160/160
	EC-3490TLi	11.6	3.2	1,700	2,023	140	3-100	210/180	160/160
	EC-3890Mi	13.2	3.8	1,300	1,623	140	4-100	180/180	160/160
	EC-3890Mi2*	13.2	3.8	1,300	1,623	140	4-100	180/180	160/160
	EC-3890Fi	13.2	3.8	1,500	1,823	140	4-100	180/180	160/160
	EC-3890Fi2*	13.2	3.8	1,500	1,823	140	4-100	180/180	160/160
	EC-3890Li	13.2	3.8	1,700	2,023	140	4-100	180/180	160/160

Colonoscopes 90K	EC-3490FK	11.6	3.8	1,500	1,823	140	3-100	180/180	160/160
	EC-3490LK	11.6	3.8	1,700	2,023	140	3-100	180/180	160/160
	EC-3890MK	13.2	4.2	1,300	1,623	140	3-100	180/180	160/160
	EC-3890MK2*	13.2	4.2	1,300	1,623	140	3-100	180/180	160/160
	EC-3890FK	13.2	4.2	1,500	1,823	140	3-100	180/180	160/160
	EC-3890FK2*	13.2	4.2	1,500	1,823	140	3-100	180/180	160/160
	EC-3890LK	13.2	4.2	1,700	2,023	140	3-100	180/180	160/160
	EC-3890TFK	13.2	3.8/2.8	1,500	1,823	140	3-100	180/180	160/160
	EC-3890TLK	13.2	3.8/2.8	1,700	2,023	140	3-100	180/180	160/160

*insertion tube with increased rigidity in comparison with standard equipment

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