

Hi Line The lead in imaging technology.



PENTAX Hi Line is equipped with the world's first megapixel CCD, which, together with the PENTAX EPK-i processor, creates the unique HD+ image. The ergonomic operating system makes you feel comfortable with advanced and beneficial options to improve your diagnosis.

Professional high-definition image processing technology is the key to unlocking the fascinating world of HD+ imaging. The EPK-i processor, with its innovative features and i-scan advanced software, makes it possible to assess surface structures with even greater precision.

EPK-i processor

Type EPK-i

| | |
|-------------------------------|-----------------------------|
| HD+ video* | SXGA (native) via DVI-D |
| Standard video outputs | RGBS, Y/C, Composite |
| 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 |

*HD+ images only in conjunction with 90i endoscopes



**90K series endoscopes:
Efficient pinpoint control**

- Graduated flexibility allows optimal insertion control of colonoscopes
- Ergonomic design for increased maneuverability, control and comfort

**90i series endoscopes:
Redefining high definition**

- High performance HD+ chip delivers images in extraordinarily high resolution
- HD+ combined with excellent illumination allow for better orientation and detection

**Gastrosopes 90i
Gastrosopes 90K**

| Type | Insertion tube (mm) | Instrument channel (mm) | Working length (mm) | Total length (mm) | Angle of view (°) | Focal range (mm) | Tip deflection up/down (°) | Tip deflection right/left (°) |
|-----------|---------------------|-------------------------|---------------------|-------------------|-------------------|------------------|----------------------------|-------------------------------|
| 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 |

**Duodenoscope
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-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 |
| 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 |

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 flexibility in comparison with standard equipment