

Specifications

Digital High Resolution Video Endoscopy

| Type | Angle of view (°) | Focal range (mm) | Insertion tube width (mm) | Minimum Instrument channel width (mm) | Tip deflection (°) UP down right / left | Working length (mm) | Total length (mm) |
|--------------------------|-------------------|------------------|---------------------------|---------------------------------------|---|---------------------|-------------------|
| Gastrosopes | | | | | | | |
| EG-290Kp | 140 | 5-100 | 9.8 | 2.8 | 210/120 120/120 | 1050 | 1373 |
| Colonoscopes | | | | | | | |
| EC-380FK2p ¹⁾ | 140 | 5-100 | 9.8 | 2.8 | 210/120 120/120 | 1500 | 1823 |
| EC-380FK2p ¹⁾ | 140 | 5-100 | 9.8 | 2.8 | 210/120 120/120 | 1500 | 1823 |
| EC-380LKp | 140 | 3-100 | 13.2 | 3.8 | 180/180 160/160 | 1823 | 2023 |
| EC-380MK2p ¹⁾ | 140 | 3-100 | 13.2 | 3.8 | 180/180 160/160 | 1300 | 1623 |

¹⁾ Insertion tube with increased rigidity in comparison with standard equipment.

Digital Color Video Processor EPK-p

| | |
|------------------------------|--|
| Color System | Single CCD Color |
| Lamp | 150 W Halogen lamp |
| Analog Video Signals Output | RGBS (1 set), Y/C (2 sets), Composite (1 set), Y (1 set) |
| Digital Video Signals Output | Serial (1 set) |
| External Device Controls | 2 sets |
| Dimensions (W x H x D) | 380 mm x 155 mm x 430 mm |
| Weight | Mainbody 11 kg |

Cart ENDO-350

| | | |
|------------------------------------|---|--------------------|
| Dimensions (mm) | Height: 1205 mm, Depth: 680 mm, Width: 640 mm | |
| Weight | 72-77 kg unladen, including fitted transformer (Depend on the option without the fitted transformer weight) | |
| Load Capacity (Evenly distributed) | Top tray: | 60 kg (est) |
| | Intermediate shelves: | 40 kg each (est) |
| | Base panel: | 90 kg (est) |
| Casters | 4 x 125 mm non-antistatic, two with brakes | |
| Ambient Temperature | Normal Operation: | + 10 °C to + 40 °C |
| | Storage and transportation: | - 10 °C to + 60 °C |
| Relative Humidity | 30 % to +75 % (Normal Operation) 10 % to +95 % (Storage and transportation) | |
| Atmospheric Pressure | Operation: 700-1060kPa | |

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Excellence in Focus

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PENTAX
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PENTAX Medical Value Solutions

The economically efficient platform.





PENTAX Medical Value Solutions The economically efficient platform.

An increasing demand for efficiency in Gastrointestinal (GI) endoscopy calls for cost reductions and savings in equipment while maintaining high quality routine examinations. Aware of the current challenges, PENTAX Medical created the Value Solution, a cost effective high resolution

digital platform of video endoscopes and a digital color video processor, suited for both hospitals and private practices. High performance for low investment is the concept for modern routine and PENTAX Medical knows it best.

The economically efficient system

- Optimal due to the outstanding possibility to combine the next generation endoscopes
- Economically efficient due to first class ratio and quality with minor running costs
- The solution to satisfy the needs of your daily routine work

Outstanding Performance Characteristics



- High performance but low costs
- Easy Operation
- Full Screen Clear Image
- Display position of the sub-screen (sub-image) can be changed
- Ergonomically designed control body and remote control buttons for quicker procedures and reduced user fatigue
- PENTAX Medical Anti-Loop Connector: up to 180° axially rotatable connector head improves user safety and manoeuvrability
- PENTAX Medical GDF concept (graduated flexibility) delivers the optimum performance of colonoscope insertion control and avoidance of loops
- High resolution images for clear and detail visualization of the mucosa.
- Full image clarity for effective mucosa evaluations
- Stunning color reproduction in combination with the new 19" EndoVue High Resolution Monitor