

# SEE THE FUTURE THROUGH EVERY ENDOSCOPE GENERATION



## INSPIRA

### **PENTAX Medical INSPIRA™ Video Processor**

The bridge for legacy endoscopes to  
next level image quality.

The gateway to tomorrow's cutting-edge  
technology in diagnosis and therapy.

The bridge for legacy endoscopes to next level image quality.  
The gateway to tomorrow's cutting-edge technology in diagnosis and therapy.



PENTAX Medical INSPIRA™ video processor is designed to boost **diagnostic and therapeutic capabilities** by providing **optimum image quality** for all PENTAX Medical endoscopes<sup>1)</sup>. It paves the way for innovative technologies to improve clinical outcomes.

The PENTAX Medical INSPIRA™ video processor combines **cutting-edge functionalities** in one plug-and-play solution with **intuitive usability**. The **customizable graphical user interface** helps to focus on what is really important: the patient.

PENTAX Medical INSPIRA™ video processor **upgrades your legacy endoscope portfolio**<sup>2)</sup> to the latest imaging standards, **extending the life cycle** of each endoscope **for greater sustainability**. The system provides a **future-proof platform** for next generation medical solutions.



<sup>1)</sup> 90i, i10, J10, 90K, i10c and i20c series endoscopes; <sup>2)</sup> 90i, i10, J10, 90K and i10c series endoscopes; Not all models are compatible. For details, contact your local PENTAX Medical service facility.

Inspired by #PENTAXMedicalTripleAim

### PENTAX Medical INSPIRA™ Video Processor (EPK-i8020c)

PARAMETERS	VALUES
Power supply	Voltage 100–240V ±10 %
	Frequency 50/60 Hz ±1 Hz
	Rated Input 380VA
Dimensions (W × H × D)	400 × 205 × 520 mm
Net weight	24 kg
Illumination	5 LED lightsource
User interface	7 inch customizable touchscreen with individual profile setting
Image enhancement	i-scan (Surface Enhancement, Contrast Enhancement, Tone Enhancement), OE-Optical Enhancement (Mode 1 & 2); Auto-HDR; D-Range expansion
Freeze scan	Yes
Twin Mode	Yes
Picture in Picture	Yes
Red Density	Yes*
Control signal	1 × RJ45 (LAN) 100BASE-TX/1000BASE-T/10Base-T 3 × Remote, 5 × USB 2.0
Compatible video endoscopes	90K, 90i, J10, i10, i10c and i20c series Not all models are compatible. For details, contact your local PENTAX Medical agent.

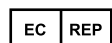
VIDEO SIGNAL	CONNECTOR	RESOLUTION
Digital output	DVI	1920 × 1080/60p(i)
	3G-SDI	1920 × 1080/60p
	HD-SDI	1920 × 1080/60i
	12G-SDI	3840 × 2160/60p*
Analogue output	Y/C	NTSC/PAL format
Digital input	DVI	1920 × 1080/60p
		1280 × 1024/60p
		1024 × 768/60p

IMAGE RECORDING	VALUES
Image recording	Yes (internal & external)
Video recording	Yes (internal & external)

NETWORK COMPATIBILITY	VALUES
DICOM/PACS*	Yes* (Image Transfer & Worklist Management)
Endoimage2 (OS-I3)	Yes

LANGUAGES	VALUES
English, Bulgarian, Chinese, Croatian, Czech, Danish, Dutch, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Latvian, Lithuanian, Macedonian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovakian, Slovenian, Spanish, Swedish, Turkish	

\* Optional features can be activated with respective software key which is sold separately for the light version of INSPIRA. Please, contact your local PENTAX Medical sales team for details.



PENTAX Europe GmbH  
Julius-Vosseler-Straße 104, 22527 Hamburg, Germany  
T +49 (0)40 561 92-0 • F +49 (0)40 561 92-247  
info.emea@pentaxmedical.com • www.pentaxmedical.com

**Manufacturer**  
**HOYA Corporation**  
6-10-1 Nishi-shinjuku  
Shinjuku-ku, Tokyo  
160-0023 Japan



CE Medical device class IIa – This product must be used only by healthcare professionals. Before use and for detailed product specifications, please refer to the instructions. In the interest of technical progress, specifications may change without notice. PENTAX Medical INSPIRA™ is a trademark of HOYA Corporation.  
© Copyright 2023 HOYA Corporation. All rights reserved.