

SEE THE FUTURE
OF GREAT VISION
AND HANDLING



PENTAX Medical i20c
Video Endoscope Series
Supporting procedures with
superior vision and ergonomics

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The i20c endoscopes aim to support healthcare professionals in detection, diagnosis and therapy better than ever. Physicians can instantly benefit from **uncompromising vision and maneuverability**.

The i20c endoscope generation has been designed with **superior ergonomics** for medical professionals who spend countless hours working with it. Its **adjustable stiffness** and the advanced imaging have the potential to **improve the quality of procedures**.

The new, unique control body and **lightweight connector** of the i20c endoscopes are designed to **optimise the workflow**.



Inspired by #PENTAXMedicalTripleAim

PENTAX Medical i20c Video Endoscopes

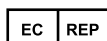
PARAMETERS	EG27-i20c (Slim)	EG29-i20c	EC34-i20c (Slim)	EC38-i20c
Direction of view	Forward	Forward	Forward	Forward
Field of view	140°	140°	170°	170°
Depth of field	2–100 mm	2–100 mm	2–100 mm	2–100 mm
Tip angulation up–down	210°/120°	210°/120°	210°/180°	210°/180°
Tip angulation right–left	120°/120°	120°/120°	160°/160°	160°/160°
Distal end width	9.2 mm	9.9 mm	11.5 mm	13.2 mm
Insertion tube width	9.2 mm	9.8 mm	11.6 mm	12.8 mm
Minimum working channel width	2.8 mm	3.2 mm	3.2 mm	3.8 mm
Insertion tube working length	1,050 mm	1,050 mm	1,300 mm 1,500 mm 1,700 mm	1,300 mm 1,500 mm 1,700 mm
Forward water jet	Yes	Yes	Yes	Yes
Adjustable stiffness	–	–	Yes	Yes
Lightweight connector	Yes	Yes	Yes	Yes
Compatible video processor	PENTAX Medical INSPIRA™ EPK-i8020c			



The i20c endoscope control body, designed for an improved handling.



The OE-B17 R/L Knob adapter supports easier R/L wheel operation.



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PENTAX®
MEDICAL

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 process, specifications may change without notice. PENTAX Medical™ and PENTAX Medical INSPIRA™ are trademarks of HOYA Corporation. © Copyright 2024 HOYA Corporation. All rights reserved.

MKGI-3762EN-G Rev.6 (v6.0)

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.

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PENTAX Medical INSPIRA™ video processor is designed to boost **diagnostic and therapeutic capabilities** by providing **optimum image quality** for all PENTAX Medical endoscopes¹⁾. 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**²⁾ 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.



¹⁾ 90i, i10, J10, 90K, i10c and i20c series endoscopes; ²⁾ 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.

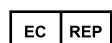
VIDEO SIGNAL	CONNECTOR	RESOLUTION
Digital output	DVI	1920 × 1080/60p(i)
	3G-SDI	1920 × 1080/60p
	HD-SDI	1920 × 1080/60i
	12G-SDI	3840 × 2160/60p*
Analogue output	Y/C	NTSC/PAL format
Digital input	DVI	1920 × 1080/60p
		1280 × 1024/60p
		1024 × 768/60p

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
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.



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