

CONTEC MEDICAL

The Inside Track
for Surgical Technology

COMPARE THE EC 1000-7 WITH OTHER SYSTEMS

CONTEC EC 1000-7 UNIQUE FEATURES	OTHERS
Built-in video enhancer	No
7-user programmable memory	No
True freeze-frame option	No
Pure Digital Processing System DIP™	No
Direct computer communication option	No
Minimum 54dB or better signal to noise ratio	No
72dB dynamic range	No
User programmable sensitivity of image areas	No



are used by surgeons in more than 30 countries worldwide. Contec Medical's flagship product

About Contec Medical

Contec Medical designs, manufactures, markets and supports a complete line of high-performance endoscopy products for Minimally Invasive Diagnostic and Surgical procedures. Suitable for laparoscopy, arthroscopy, hysteroscopy, thoracoscopy and ENT applications, the company's products

is System 2000, a compact, mobile surgical unit containing all necessary surgical instruments and upgradable to include EndoCom, a multimedia report, file and communications system for medical applications.

CONTEC MEDICAL's EC 1000-7 Digital Endoscopy Imaging System is an example of the company's numerous outstanding innovations that can make a visible difference in your operation. Join the growing list of customers worldwide turning to CONTEC MEDICAL, the company with The Inside Track for Surgical Technology.

SPECIFICATIONS

MODEL	EC 1000 -7P	EC 1000 -7N
Video Output	PAL	NTSC
CPU Processor	isp2000 proprietary VLSI digital Video processor	
Control Software	DIP™-Digital Image Processing ver.3.3 or higher.	
Dynamic Range	Better than 72 dB	
Remote Controls	Optional - via RS 232 and user Remote control device.	
Pickup Device	Interline transfer CCD (SONY) 1/2" - Hyper HAD™	
Effective Pixels	752(H) x 528(V)	768(H) x 494(V)
Scanning	625 lines	525 lines
Minimum Illumination	0.5 Lux (At 80% Video, AGC ON)	
Video Outputs: VBS Y/C Digital RGB	Standard COMPOSITE VBS, 1.0Vptp / 75 Ω Standard Y/C + S-VIDEO - SUPER VHS V=0.7Vpyp Optional to computer PCI channel	
Horizontal Resolution	More than 470 TV Lines	
S/N Ratio	54 dB (AGC OFF)	
AGC	User Selectable on screen 0-20 dB	
Electronic Shutter	User selectable ON/OFF 1/50 - 1/30,000 sec. Selectable level on screen. in 25 Selectable areas.	
Power Supply	115VAC - 240VAC 50/60Hz ± 10% (user selectable) Medical grade insulated power supply system.	
External Dimensions	Remote head: 32mm ø x 43mm 3 meters cable to CPU. CPU: 105(W) x 155(H) x 250(D)mm	
Weights	Remote head: 75 gr. CPU: 2.6 Kg	

Specifications are subject to change without notice.
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CONTEC® MEDICAL

CONTEC MEDICAL LTD.
11 Haroshet St. P.O. Box 1400
Ramat Hasharon 47113
ISRAEL
Tel: +972-3-549-1153
Fax: +972-3-549-1095
e-mail: info@contecmedical.com
www.contecmedical.com

Contec Subsidiaries:
US: 1 (877) 549 1153
The Netherlands: 0 (800) 022 9615

Make A Visible Difference
IN YOUR OPERATION



WITH DIP™ ENDOSCOPIC
IMAGING TECHNOLOGY

- Proprietary imaging technology.
- Outperforms all single & triple CCD cameras.
- Advanced, upgradable software.
- User-friendly
- Designed for today's & tomorrow's MIS procedures.
- Tested & approved by leading international surgeons.

Showing You Details You've Never Seen Before

CONTEC® MEDICAL

MAKE A VISIBLE

Precision. The operative word for all of your endoscopies

DIFFERENCE IN YOUR

OPERATION



WITH SHARP ENDOSCOPIC IMAGING

Clean-cut incisions for surgical procedures using real-time digital video imaging, require the clearest possible picture for achieving maximum accuracy. In short, they need the EC 1000-7 for a picture perfect operation.

The EC 1000-7 digital video system is based on Contec Medical's unique and proprietary DIP™ TECHNOLOGY. The world's most advanced Digital Image Processing System, DIP™ TECHNOLOGY ensures the highest possible picture resolution and definition, enabling physicians to determine specific operating conditions even in the most difficult and demanding situations.

THAT SHARPEN YOUR OWN MEMORY

With the EC 1000-7 you can sharpen your own memory, vis-a-vis individual surgical procedures. DIP's screen-friendly user interface and built-in memory allows you, the surgeon, to program, store and retrieve either your own customized parameters or pre-set parameters of your preference. The EC 1000-7 is capable of storing up to 8 customized memories.



The Direct Arthroscope Coupler has a compact design and ensures fog-free working conditions.



A special user program designed for Contec 2mm Mini Scopes, provides clear and sharp imaging even in the most difficult operative and diagnostic conditions.

Thanks to its unique user programming interface and optical couplers, the EC 1000-7 is a top performer for all endoscopes such as laparoscopes, arthroscopes and needle fiber scopes.

EC 1000-7 Digital Endoscopy Imaging System

The Operative Endoscopy Camera for Today & Tomorrow

Unique Features:

- On-screen display for:
 - User selection
 - Enhancement/Sharpness
 - Colors (blue/red/balance/overall level)
 - Brightness (in specific required areas)
 - Auto Gain/Auto Shutter operation and levels
- Built-in, user adjustable digital video enhancer
- Individual user programming sensitivity for each of the image's 25 discrete areas.
- Programmable settings & retrievable memory for 8 users/procedures
- Automatic save of last user setting & automatic set-up for next usage
- Optional digital, direct computer output for real-time image storage and communication
- Optional "Freeze-Frame" for printing and computer image transmission
- Built-in on-screen time, date & elapsed operation timer
- 54dB signal to noise ratio
- Wide, dynamic range of over 72dB
- Compact size: 32 mm (70g camera remote head)
- Exchangeable camera head cable
- Sophisticated user programming interface for more than 35 different parameters for each of the 8 optional user/procedure memories.

DESIGNED WITH AN EYE TO THE FUTURE: EndoCom® Endoscopic Data Communications

System 2000 + EndoCom® Network



The EC 1000-7 complements the company's latest data storage and communications system, the EndoCom. The perfect support system for future telesurgery and telemedicine applications, the EndoCom features "freeze-frame" capability, digital data output for imaging, as well as voice capturing and processing during endoscopic procedures in a dedicated computer loaded with EndoCom software.

EndoCom is a US registered trade mark of Contec Medical Ltd.

Complete Endoscopy Solutions

Contec manufactures complete systems and operative/diagnostic solutions for laparoscopy, arthroscopy, hysteroscopy, ENT and other endoscopic applications. All these solutions are based on proprietary technologies designed for imaging, illumination, pressure control and fluids management.

