

HD Medical Video Recording System

The IPS700A is easy to operate, is HIPAA compliant, and supports several methods for storing video content for later playback.



Image Capture

- Captures images in full HD
- Auto-formats to the input source resolution
- Utilizes uncompressed BMP, lossless JPEG or DICOM format
- Capture is triggered by the source device or a foot pedal switch

Recording

- Records video in full HD
- Advanced video coding / H.264 compression
- Pulse code modulated audio
- Recording is triggered by the source device or a foot pedal switch

Storage and Backup

- 1 terabyte internal HDD receives recorded/captured image files
- Backup files can be copied to CD, DVD, Blu-ray, USB memory stick, or FTP server

Input Connections

- DVI, RGB, SVHS and composite inputs are available
- Features a mini stereo jack for audio input

Output: Monitor and Playback

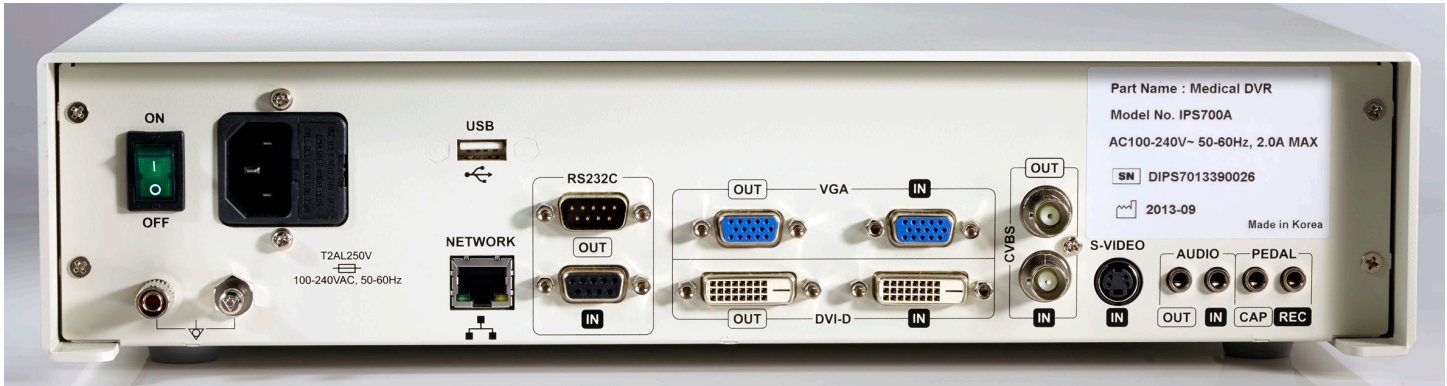
- Monitor out connection displays real-time recording and capture images
- DVI, RGB, SVHS and composite outputs are available
- View playback of images that have been recorded/captured to the HDD

Setup and Controls

- Configure through RS232C or LAN
- Optional equipment: Configure via a tablet interface using Wi-Fi or USB (Android Open Accessory) connection



Specifications



Inputs		Remarks
HD-Digital Input	DVI-D	Up to 1920x1080p/60
S-Video	SVHS jack x 1ea	NTSC, PAL (BNC)
Composite Video	BNC x 1ea, 75Ω	NTSC, PAL (BNC)
Analog RGB	DSUB15 x 1ea	Up to 1920x1080p/60 (DSUB)
Audio	Stereo x 1ea 3.5mm phone jack	Analog line In/Out

Only one input among the digital input, S-video input and composite can be recorded.

Outputs		Remarks
Digital Output	DVI-D x 1ea	
Analog Output	DSUB15 x 1ea	Monitor out playback monitoring
Video Output	BNC jack x 1ea, RCA x 1ea	

Control Inputs/Miscellaneous		Remarks
DB9	x1ea, RS-232C	
RJ-45	x1ea, LAN	
USB	x2ea, Memory, Download	1 for capture/recording, 1 for service
Foot Pedal	x2ea, 3.5mm stereo jack	1 for still image capture 1 for motion image recording

Recordable Media		Remarks
Primary (Internal HDD)	1TB standard, FAT32 Format	SATAII
Backup (Internal Blu-ray)	DVD Disk	NTSC/PAL input DVD-R, DVD-RW: AVI DVD+R, DVD+RW: AVI Recordable capacity: Max. 8.5 GB (DL Disc)
	Blu-ray Disk	High-Definition BD-R, BD-RE: AVI Recordable capacity: Max. 50 GB (DL Disc)
Backup (External USB)	USB Flash Drive USB HDD Drive	NTSC/PAL input: AVI High-Definition: AVI Recordable capacity: Max. 2 TB

Recording Format		Remarks
NTSC/PAL	720x480P/60fps	Auto Mode : auto format by input resolution. Manual Mode : format by manual setting.
SVGA/XGA/SXGA	1280x720p/60fps	
1080i/1080p	1920x1080p/30fps	

Video & Audio Format		
Still capture	Lossless JPEG, BMP, DICOM	
Motion capture	H-264	AVC / H.264
Audio	PCM	

General		
Power Requirements	AC 110 - 240 Volts	
Dimensions (W x H x D)	355mm x 380mm x 80mm	Excluding foot
Weight	4.8Kg	
Temperature	Operating: 0 to +40° C (+32 to +104° F) Storage: -20 to + 60° C (-4 to +140° F)	
Humidity	Operating: 5 - 85% RH Storage: 10 - 85% RH	

Compliance & Certifications
FDA Class I, UL 60601-1, CAN/CSA-C22.2 No.601.1-M90, FCC Part 15 Class B, MDD Class I, IEC60601-1, EN60601-1-2, CCC & IEC60950-1

Information Display		
Character LCD	2x16 Characters, Information Display	
Input keys	9 buttons	Source, Rec, Stop, Up, Down, Plus, Minus, Enter, Menu

Specifications are subject to change with or without notice. Doc.# FSN1934 Rev. 11/13