

4K Medical Video Recording System



Image Capture

- 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

- DVI-D connector input 1080P/30 RGB 444 video quality
SDI connector input 1920X1080P, 3840X2160P
- Advanced video coding / H.264 high profile
- Recording is triggered by the source device or a foot pedal switch

Storage and Backup

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

Input

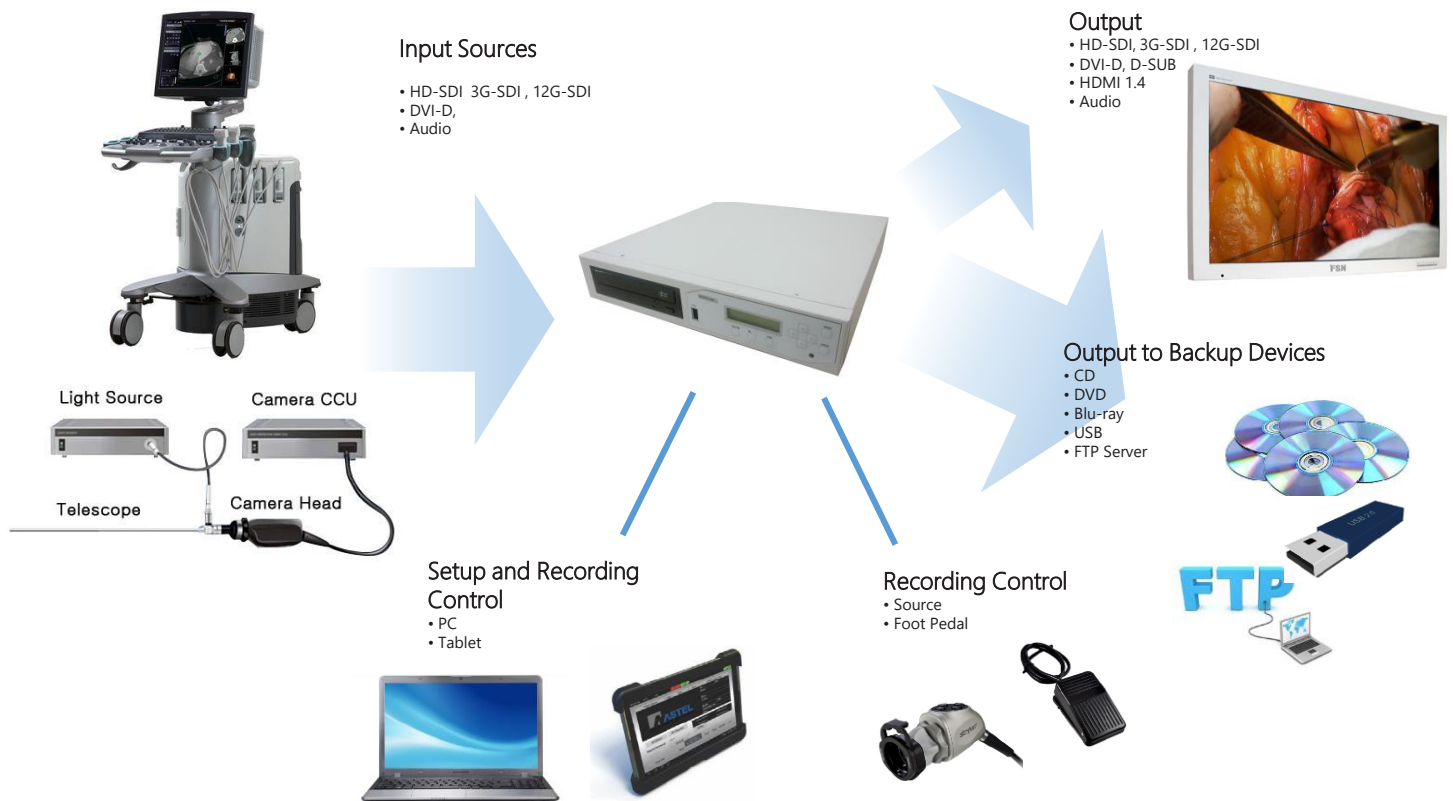
- HD-SDI, 3G-SDI, 12G-SDI
- DVI-D (1080P RGB 444)
- Features a mini stereo jack for audio input/output

Output

- Loop out : HD-SDI, 3G-SDI, 12G-SDI
- HDMI 1.4, VGA
- 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
Digital Input	DVI-D x 1ea	1920x1080P (RGB444)
4K-Digital Input	BNC x 4ea, 75Ω	3G-SDI(2SI & Square Division) 12G-SDI
Audio	Stereo x 1ea 3.5mm phone jack	Analog line In/Out

Outputs		Remarks
4K-Digital output	HDMI 1.4	
4K-Digital output	BNC x 4ea, 75Ω (Loop out)	3G-SDI(2SI & Square Division) 12G-SDI
Analog output	DSUB15 X 1ea	VGA

Control Inputs/Miscellaneous		Remarks
DB9	x1ea, RS-232C	
RJ-45	X1ea, LAN	
USB	x2ea, Memory	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)	2TB standard, FAT32 Format	SATAII
Backup (Internal Blu-ray)	DVD Disk	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	High-Definition: AVI

Recording Format	Remarks
1920 X 1080P/30 (DVI-D connector RGB 444)	
3840 X 2160P/30	

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

General	
Power Requirements	AC 110 - 240 Volts
Dimensions (W x H x D)	350mm x 370mm x 60mm 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

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