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Medical Video Recording System

Datasheet

IPS740DS
IPS740DG

Record video and capture still images in crystal-clear 4K resolution. The IPS740DS and IPS740DG recorders come with a rich set of features that will upgrade any medical video application. These recorders also integrate with VACS® software for video archiving and collaboration.

Simultaneously record files to the internal hard drive and external USB drive. 4 TB of internal storage allows for extended recording times. Also record and playback video content in 3D formats.

Use the integrated 5 inch touchscreen, or switch to an external monitor to control all recording, playback, saving functions, or to preview the active video signal.

Focus on Compatibility
IPS740DS and IPS740DG connect with medical image generating devices, and with patient information systems, to accurately record and store video or captured still images.
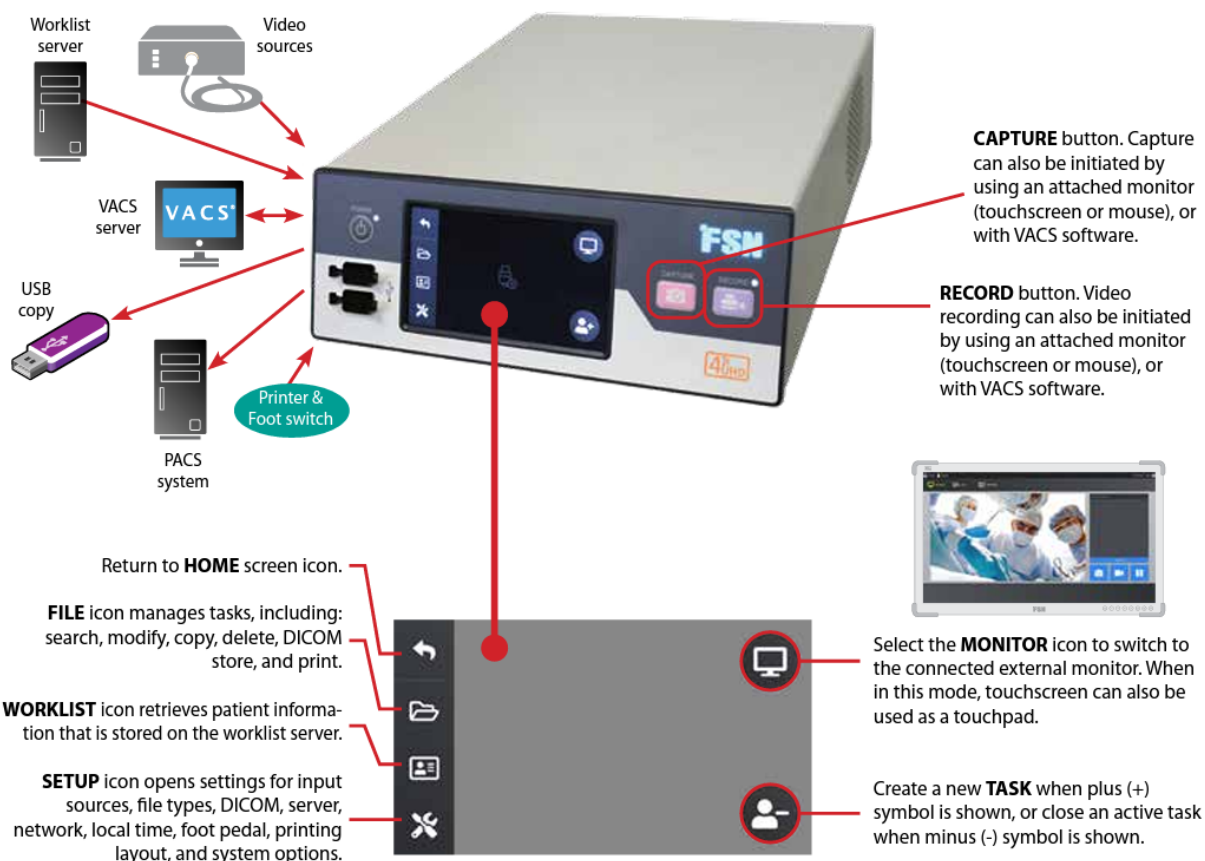
Input signal options:
· 3G-SDI (IPS740DS)
· 3G/12G-SDI (IPS740DG
· DisplayPort 1.2
· HDMI 2.0

File management options:
· DICOM & HL7 Integration.
· DICOM Modality Worklist.
· DICOM MPPS
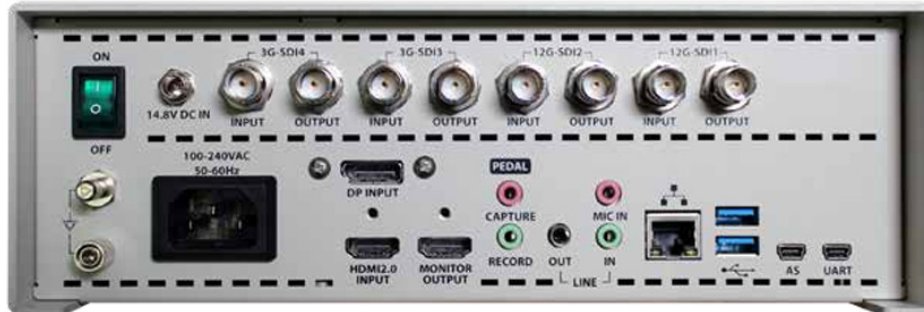· DICOM C-Store
· HL7 Appointment Booking

Additional medical A/V integration options
· Patient search & query.
· Medical printer compatible.
· Gigabit Ethernet.
· 4 x USB 3.0 ports.
· Audio inputs/output.
· 2 x foot pedal inputs.

Worklist server
Video sources
VACS server
USB copy
Printer & Foot switch
PACS system

CAPTURE button. Capture can also be initiated by using an attached monitor (touchscreen or mouse), or with VACS software.

RECORD button. Video recording can also be initiated by using an attached monitor (touchscreen or mouse), or with VACS software.

Return to **HOME** screen icon.

FILE icon manages tasks, including: search, modify, copy, delete, DICOM store, and print.

WORKLIST icon retrieves patient information that is stored on the worklist server.

SETUP icon opens settings for input sources, file types, DICOM, server, network, local time, foot pedal, printing layout, and system options.

Select the **MONITOR** icon to switch to the connected external monitor. When in this mode, touchscreen can also be used as a touchpad.

Create a new **TASK** when plus (+) symbol is shown, or close an active task when minus (-) symbol is shown.

IPS740DG with 3G and 12G-SDI

General Features

Item	Description	
Main Functions	Video recording	Up to 3840 x 2160P 60Hz 4096 x 2160P 60Hz
	Still image capture	Up to 3840 x 2160P 4096 x 2160P
	Standalone preview	Front LCD screen
	Menu access	Front LCD screen (5 inch touch enabled) GUI on HDMI monitor output.
	DICOM, HL7	DICOM Store (Image) Modality Worklist MPPS Appointment Booking (HL7)
	DICOM store	Direct Access to PACS
Inputs	HDMI	2.0
	DisplayPort	1.4
	SDI	IPS740DS: 3G-SDI IPS740DG: 12G-SDI, 2SI, Quad
	Audio	3.5mm Stereo x 2ea Mic in, Line in
Outputs	Monitor output	HDMI 2.0
	Loop-through	IPS740DS: 3G-SDI IPS740DG: 12G-SDI, 2SI, Quad
	Audio	3.5mm Stereo line out

Item	Description	
Data I/O	USB 3.0	2 on front, 2 on back
	RS-232C	Mini-USB
	Ethernet	RJ45 x 1 (10/100/1000M)
	Keyboard / Mouse	USB type
	Foot pedal	3.5mm stereo jack x 2 Recording, Capture
Recording and Capture	Recording resolution	4096x2160p60 3840x2160p60 1920x1080p60
	Encoding formats	H.264, H.265
	Recording file format	MP4
	Capture image format	BMP, JPEG, DICOM
	Audio encoding format	AAC
	3D video formats	4K line alternative (SBSH conversion) 4K side-by-side half
Storage	Internal hard drive	4TB
	External USB storage	USB flash drive USB HDD
	USB file system	FAT32, NTFS
	Network file system	CIFS
	Network transfer	FTP (client)
General	Power requirements	AC 100-240V / 50-60Hz, 1.0A - 0.6A (max)
	Power consumption	60W (max)
	Dimensions	260mm (10.2 in.) wide x 95mm (3.7 in.) high x 330mm (13 in.) deep
	Weight	IPS740DS: 4.0kg (8.8lbs.) IPS740DG: 4.1kg (9.0lbs.)
	Temperature	Operating: 0° to +40° C (+32° to +104° F) Storage: -20° to + 60° C (-4° to +140° F)
	Humidity	Operating: 10 - 85% RH Storage: 10 - 85% RH
Compliance & Certifications	CE-MDR 2017/745 Class 1 Medical Device, UL 60601-1, IEC60601-1, EN 60601-1-2, FCC Part 15B, CCC, ISO9001, ISO13485, RoHS	

IPS740DS with 3G-SDI

ABOUT HIPAC

We are an Australian healthcare company that guarantees to stand behind all our medical products, both manufactured and imported, because we're here for the life of our products and clients.

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