



ENDOSCOPY

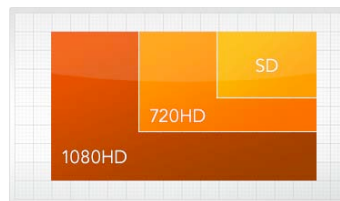
IMAGE MANAGEMENT & REPORTING

- Intuitive & user-friendly interface
- Supports DICOM & Non-DICOM endoscopy systems
- Powerful template-based reporting module

- Patient information module
- Study manager
- Image acquisition of DICOM & non-DICOM data
- Comprehensive tool set for image processing, measurements & annotations
- Video editing tools to create smaller sequences from large video sets
- View and manipulate both single frame and multi frame image data sets
- Powerful template based reporting module
- Multiple report templates for each study type
- CD/DVD burning with images & reports with built in viewer
- Windows printing of images & reports
- Email reports with images
- Export images to local system

All in one SD, Analog, HD Capture

Comes with complete software & hardware, installed and configured. Plug-in and capture video from any vendor endoscopy product. Convert to DICOM, Report or send to any PACS.



Features



PATIENT INFORMATION

- Patient details – name, gender, age, ID No., alternate ID, etc.
- Direct Patient information and study information through DICOM.
- Patient search based on name, gender and ID, referral physician and study type

STUDY MANAGER

- Gender based study listing.
- Multiple study selection.
- Study description / notes.
- Referral doctor information.

VIEWING & POST PROCESSING

Single Frame Images

- Set foot notes for images.
- Standard image processing tools and annotation tools.
- Tag key images.

DISTRIBUTION

- Multiple print formats (with / without images).
- Printing on pre-printed stationery (letterheads).
- Windows printing of images and reports.
- E-mail reports.
- Distribute reports, images and cine loops on CD's
- Export images to PowerPoint for presentations.
- Export images to local folders in other formats (JPEG, BMP, PNG).
- Ink-save mode for printing



IMAGING

- Acquisition
- Capture single frames and sequences from non-DICOM machines through frame grabber cards.
- Presets for image capture settings.
- Print trigger / Footswitch integration for image capture.
- Direct transfer of images from DICOM machines.

Cine Loops

- Play sequences in continuous/ frame by frame mode.
- Edit sequences with multiple playback speed options.
- View in full screen mode.
- Extract single frames from sequences.
- Rotate, flip sequences.
- Export sequences with MPEG compression.

REPORTING

- User-defined customizable report templates.
- Multiple report templates for each study.
- Drag and drop images for reporting.
- Insert important reference images in text layout.
- Customizable predefined center and patient details as report header.

QUERIES

- Key images – by study type, description, comments.
- Based on key notes.
- Based on study date
- Referral doctor query.
- Study type.
- Gender based query.

Features

Frame Grabber card Specifications

Board Format	PCI-Express x4 low profile card, 68.9mm x 167.6mm
Connectors (on card)	DVI-I , RCA (female)
Connectors (audio board)	HD15 (male) for connection of supplied Audio Breakout cable: Stereo line in (2 x RCA), stereo balanced in (2 x XLR), stereo line out (2 x RCA) 16-way header for connection to main board
DVI Capture	Supports HDMI 1.3 to 225MHz (including deep colour modes). For HDCP support, contact the Sales Dept at iView Data for more information HDMI audio can be selected as source for audio streaming. * Incorporates TMDS equalizer to support up to 20m cables.
DVI Capture	Supports DVI 1.0 RGB 24bit capture to 165MHz. Incorporates TMDS equalizer to support up to 20m cables.
VGA/ YPbPr Capture	Triple ADCs sampling up to 170MSPS. Full 4:4:4 sampling, 8 bits per colour. 5-wire, 4-wire or sync-on-green signal formats.
Composite Video Capture	CCIR601 sampling. PAL, NTSC, SECAM formats automatically detected
Audio Capture	Stereo Line-In/Stereo balanced inputs with programmable gain (+/-12dB) 16 bit sampling at 44.1/48/96kHz. Analog stereo line-out for direct passthrough of selected input at up to 64kHz sampling, sourced from Analog input or HDMI channel
Video Capture Memory	256MB high bandwidth frame buffer supports triple buffering of HD and SD video. Local storage of complex scatter-gather tables for DMA engine (eliminates read overhead)
Video Processing	Polyphase FIR scaling engine (7x5) for hardware downscaling and upscaling Colour space conversion allows captured data to be transferred in any format: RGB 16 bit (5-5-5, 5-6-5), 24 bit (8-8-8) or 32 bit (8-8-8-alpha) YUV 16 bit (4:2:2) Mono: 8bit
DMA Engine	Direct DMA to physical or virtual memory buffers with full scatter-gather support. DMA bandwidth : up to 800MB/s 16 independent DMA streams: Any mix of HD and SD sources, colour space, cropping and scaling parameters
Max Resolution	HDMI, DVI, RGB and analog Component (YPbPr) video formats all at resolutions up to 4096 x 4096 pixels and supports 1080p (1920x1080) at 60 frames per second
Operating System Support	WindowsXP, Windows 7, Windows 8
Operating Temperature	0 to 35 °C (32 to 96°F)
Storage Temperature	-20 to 70 °C (-4 to 158°F)
Relative Humidity	5% to 90% non-condensing
Warranty	1 Year