

# 4K UHD MEDICAL VIDEO RECORDER

## Evolution4K™

The Med X Change, Inc. Evolution4K offers the latest in 4K UHD video recording in a compact device all while delivering brilliant 4K UHD video quality designed for both Apple and Windows editing.



### 4K UHD OR HD VIDEO/STILL IMAGE RECORDING

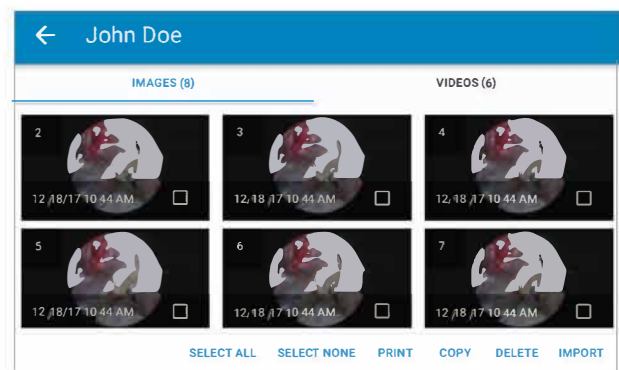
- Two Models: 1x **HDMI 2.0** or 4x **3G-SDI**
- 4K UHD 60Hz input: 1x **HDMI 2.0** or 4x **3G-SDI**
- 4K UHD 60Hz output: 1x **HDMI 2.0** or 4x **3G-SDI**
- 4096x2160p or 3840x2160p 50/60Hz
- Recorded/Captured files: H.264 .mp4, JPEG, PNG

### INTEGRATED 12CM TOUCH LCD SCREEN

Control software from integrated multi touch screen

Work list				
<input type="checkbox"/>	First name	Last name	Case date	Patient ID
<input type="checkbox"/>	Prince	Smith	3/12/18 1:43 PM	S6512
<input type="checkbox"/>	George	Lucas	3/12/18 1:43 PM	L1932
<input type="checkbox"/>	Brian	Marks	3/12/18 1:42 PM	M9450
<input type="checkbox"/>	Sally	Jones	3/12/18 1:41 PM	J1202

CLEAR FILTERS   FILTER   EDIT   DELETE

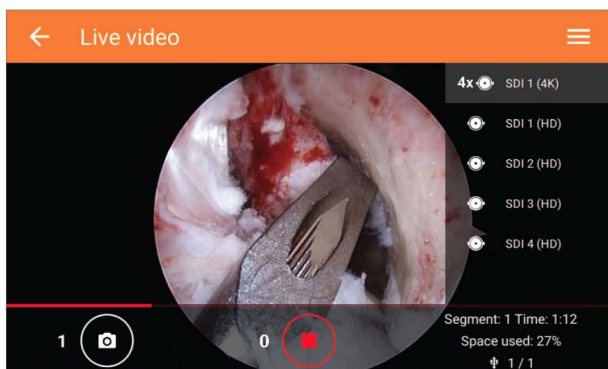


### PATIENT DATA ENTRY

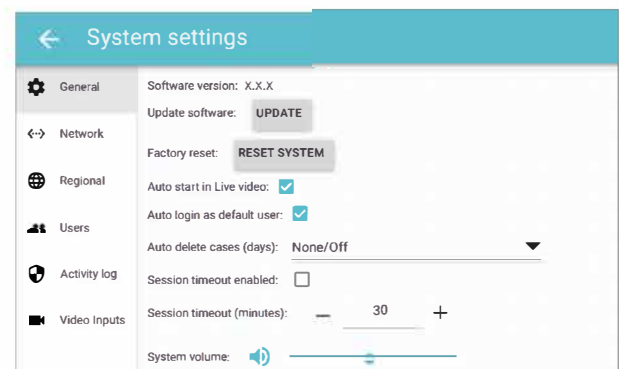
- Add Patient info before case
- Sort by fields (Name, Study Date, Patient ID)

### PRINTING/PLAYBACK/COPY USB 3.0

- Auto Print to Sony Medical Grade UP-DR80MD
- Playback Video/Stills & Copy to external USB Media



EVO4K200 Model



EVO4K200 Model

### ONE TOUCH RECORDING

- Record 4K UHD Video and capture still images simultaneously with Integrated 12cm Touch Screen, endoscopy camera head buttons, microscope triggers, foot pedal, etc.
- Record to internal hard drive and 2x USB 3.0 Locations at same time

### STORAGE, SETTINGS, OTHER

- 1TB Internal Storage (Approx. 20 Hours 4K UHD video)
- Networking, Media and Printing Settings
- Simple USB Software Update
- HIPAA Compliance, Encryption, Auditing, User/Admin Roles
- Embedded Linux OS
- Cyber Security Compliance

Medical Compliance: 60601-1, 2005/A1, 2012, 60601-1.2, 2014  
ISO 13485 Certified

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# 4K UHD MEDICAL VIDEO RECORDER

## Evolution4K™



**EVO4K100 (1x HDMI 2.0)**



**EVO4K200 (4x 3G-SDI)**

### ACCESSORY PACK CONTENTS

- 1x User Manual download card
- 1x 6' Medical Grade power cable
- 1x Wireless Keyboard
- 1x AC/DC Medical Grade power supply
- 1x 6' HDMI cable (*EVO4K100 Only*)
- 4x 6' 3G-SDI cables (*EVO4K200 Only*)
- 2x 3.5mm Stereo cables

### SPECIFICATIONS

- 1x HDMI 2.0 In/Out
- 4x 3G-SDI In/Out
- 1TB Internal Harddrive
- 6x USB 3.0 ports
- 2x 3.5mm camera trigger ports
- GPIO & RS-232 ports
- Mic audio input port
- Still images: PNG, JPG
- Video files: H.264 .mp4
- 2x Gigabit network ports (*Active with future update*)
- Dimensions: 10.69cm H x 20.92cm W x 24.64cm D

Medical Compliance: 60601-1; 2005/A1; 2012, 60601-1.2; 2014  
ISO 13485 Certified



### EXTERNAL TOUCH MONITOR SUPPORT

- Multiple HID Touch Screens are supported via USB
- Duplicate the internal 12cm Touch Screens to a external Touch monitor via the Secondary Display Ports (DP, HDMI or VGA)
- Two of the 3 ports can be used at simultaneously for multiple external displays.

### SUPPORTED CAMERA/VIDEO RESOLUTIONS

- 4K & 4K UHD: 4096x2160p & 3840x2160p: 50/60Hz
- Typical HD: 1080p, 1080i, 720p
- 4K/UHD Hz: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98
- 1080p Hz: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98
- 1080i Hz: 60, 59.94, 50
- 720p Hz: 60, 59.94, 50
- 3D HD Side by Side: 1080p, 1080i, 720p
- 3D HD Top/Bottom: 1080p, 720p
- Others: 1920x1200p, 1600x1200p, 1440x1050p, 1280x1024p, 1280x960p, 1360x768p, 1280x768p, 1024x768p, 800x600p, 640x480p

### 3D HD RECORDING

- Accepts and records 3D HD via HDMI input at Side by Side or Top/Bottom formatting\*

\* The video coming in via HDMI must already be multiplexed to 3D formatting via a 3D Multiplexer device.

### CYBER SECURITY COMPLIANCE

- Audit logging/controls
- Individual user accounts
- Admin role
- User account management
- ePHI is encrypted at rest and in transit using AES-256
- Session timeout
- Etc.

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