4K MEDICAL VIDEO RECORDER

4KLEARITY™

The Med X Change 4Klearity Recorder is a state-of-the art Medical Grade Image Management System designed for the Operating Room Staff to improve workflow based on real customer requests and feedback. The features, ease of use and 4K Recording Technology is optimized for the hospital staff. Simple, feature rich and effective.

4K, 3D, 1080P (UP TO 5 CAMERAS) VIDEO RECORDING
- H.264 Encoding & Decoding of 4K UHD video
- Record 4K & 1080p independent cameras simultaneously
- Record 1080p 3D video (left and right channel)
- Record 5 1080p inputs simultaneously (5x 3G HD-SDI)
- 2SI & Square Division 4K
- Recording to internal hard drive and 2x USB Locations along with iOS App and PACS
- Accepts BT.2020 and BT.709 4K Medical Video

INPUT/OUTPUTS
- 4x 3G HD-SDI input for true 4Kp60/50
- 1x 3G HD-SDI input for 1080p 60/50fps
- 1x 3G HD-SDI output 1080p 60/50fps loop-through

DISPLAY PORT++ OUTPUT
- For Software User Interface

DICOM/PACS/MWL
- DICOM SCU storage; image and H.264 video
- Modality Work List integration

STORAGE
- Large storage capacity - 4TB hard drive, approximately 70 hours of 4K video
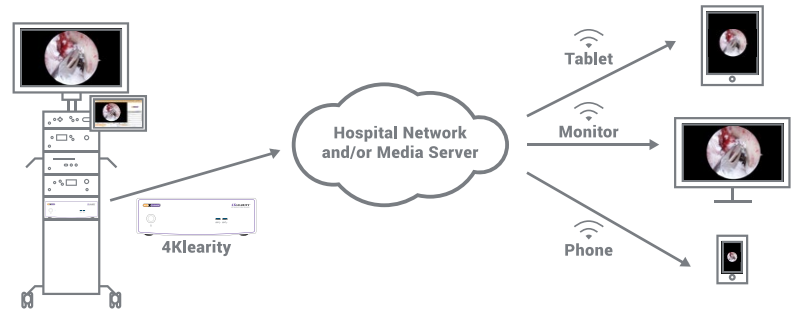- Record videos and still images to USB/Network Storage Device

ADDITIONAL
- Integrated wireless 802.11ac with hotspot and WPA2 encryption
- Foot pedal capable
- External trigger ports (2x 3.5mm, 2x 2.5mm)
- HIPAA compliance; User/Admin roles, permissions, encryption, auditing

LIVE HD VIDEO OVER IP STREAMING!
STREAM 4K & 1080P CAMERAS SIMULTANEOUSLY!

SOFTWARE SUPPORTED LANGUAGES
- English, Spanish, French, Italian, Portuguese, German, Chinese, Japanese, Korean, Russian, Swedish, Arabic

MEDXSTREAM® WIRELESS iOS APP
- Add patient information
- Wi-Fi/Auto transfer of 4K & HD still images
- Create PDF surgical reports with image annotation/mark-ups
- Audio dictation embedded into PDF surgical reports
- Export to video editing apps
- Record 4K Medical Video directly to the MedXStream app via USB 3.0 (lightning connector), TLS encryption

4K COMPATIBLE CAMERAS
- Panasonic® 3MOS 4K Ultra HD Camera (GP-UH532)
- Toshiba® IK-4K Camera
- Ikegami® MKC-750UHD Medical Grade 4K Camera
- Olympus® Visera 4K Camera Control Unit
- Arthrex® UHD4 Synergy 4K Camera

PRINTING
- Print still images to Sony® Medical Grade Printers and network printers
- Auto print
- Send prints to PDF document for paperless facilities

DIMENSIONS
- 31cm W x 36cm D x 10cm H

Power Requirements: 100~240 VAC, 50/60Hz, 3.0~1.25A
Medical Compliance: 60601-1: 2005, 60601-1.2: 2014
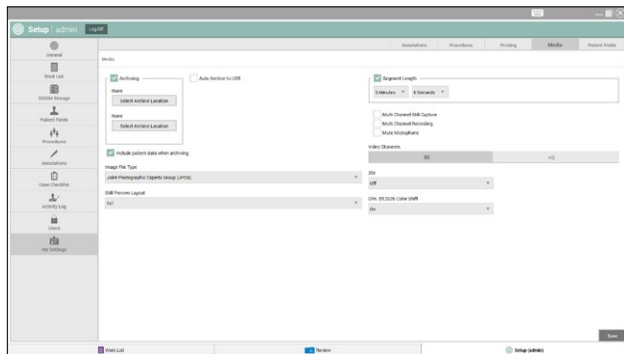
ISO 13485 Certified
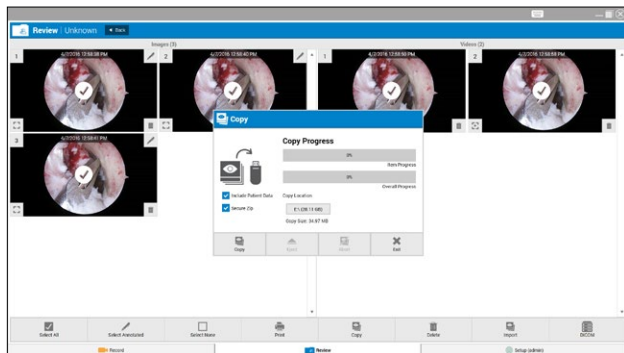
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RECORD PAGE

- Live 4K video and independent secondary channel (1080p). Full screen, Side by Side, PIP, Recording indicators
- Patient Data display and entry
- Displays voice to text annotations (Voice Recognition)

WORK LIST PAGE

- Patient entry, EMR WorkList etc
- Searchable/sortable fields, On Screen touch keyboard, iOS/ Android MedXStream App Integrates for wireless patient entry
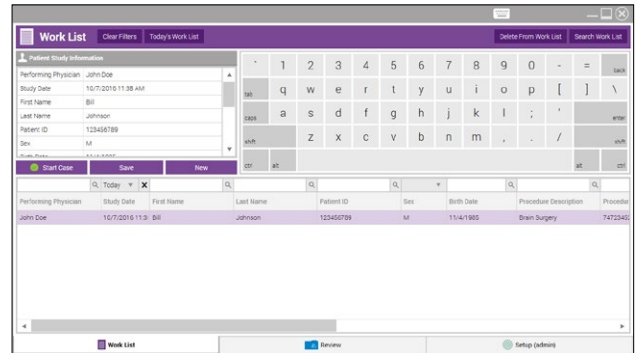

USER SETTINGS

- Create customized user settings (surgeon's and admin's): Case Folder name, segment time, file types, auto archive setup etc.
- User can setup to record directly to iPad/iPhone via lightening cable
- Network Recording setup etc

PRINTING

- Auto-Print
- Logos
- Image enhancements
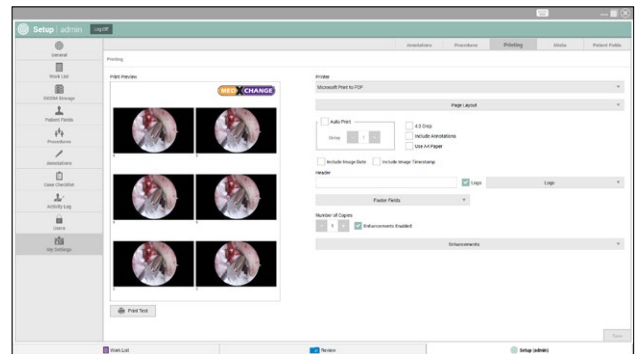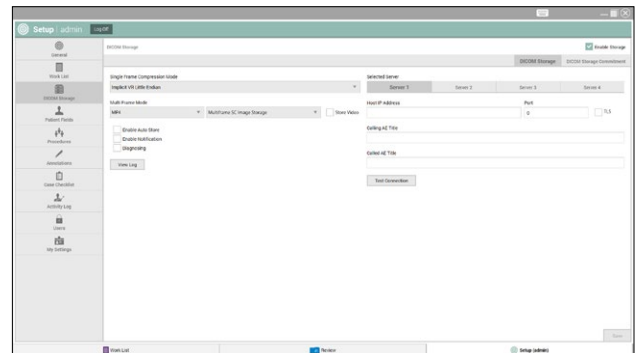- Layouts, custom text, 4:3, 16:9, A4 paper, annotations, etc.

REVIEW PAGE

- Review image and video, playback, copy, print, encrypt, post case DICOM, copy to iPad/iPhone
- Re-open cases (Append) to add more images or video
- Post case capture images from recorded video

DICOM FEATURES

- Storage Server & Modality WorkList
- PACS/EMR Integration
- 4K and HD still images and video upload to PACS
- Auto-storage