How it works

Preview video input feed(s)

Capture image and/or video

Automatically record video (EasyPost only)

Select recording channel (dual channel only)

Manage procedure info and settings

Review/Select/Delete recorded data via thumbnails

Filter recorded data by input channel (dual channel only)

nCare® 10

Enterprise Image and Video Recorder for Medical Content Management

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nCare®

Enterprise Image and Video Recorder for Medical Content Management

Effortlessly Create Visual Records

nCare is an enterprise medical recorder that captures high-resolution images and high-definition video from up to two surgical devices simultaneously. Using the same robust technology available in the sophisticated EasySuite® integrated operating rooms, nCare easily, reliably, and securely connects clinicians with the critical visual information they need. With a small form factor, the user-friendly solution can fit nearly anywhere, from an endoscopic cart to an O.R. equipment boom. Unlike other recorders, the nCare medical recorder can be used in a self-contained fashion or connected to hospital networks and enterprise systems. Store recorded visual data locally on the nCare device, externally to a USB drive, or automatically save and manage visual data on VaultStream, a centralized surgical image, and video content management system.

Connect with Enterprise Systems

With the VaultStream solution, you can add visual content captured from the nCare medical recorder to a hospital's enterprise system and exchange patient information as well as results in the form of HL7 orders or DICOM Modality Worlists* and PAC Systems. This same streaming technology found in EasySuite integrated O.R.s makes it easy for clinicians to share the procedure with colleagues and visitors across the hospital's secure network.

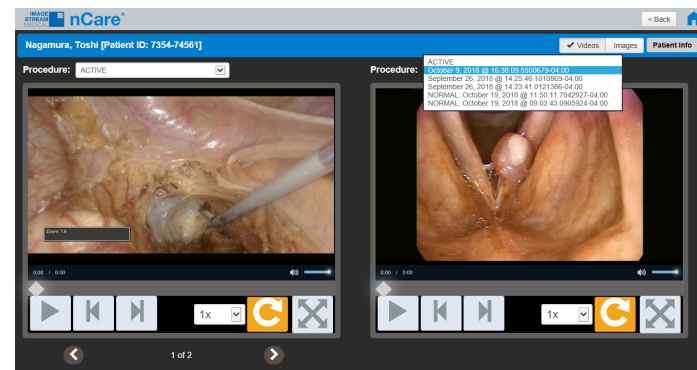## Enable Efficient Workflows Peri- and Post-Operative

The nCare enterprise medical recorder helps a clinician in every step of the patient procedure:

- Easily access patient registration information pre-case via a keyboard or touch panel, remote PC or iPad
- Capture, record, and compare side-by-side current and historical images during the case
- Label, print, and export procedural data after the case
- Accessories are available to customize image-capture triggers, the display of images and for wireless connectivity.

Quickly Search to Review Images and Video

- Workflow-inspired user interface with touch panel control
- Quickly search procedural data such as patient demographics, image labels, and clinical notes

Friendly user interface comparing current image with images from library

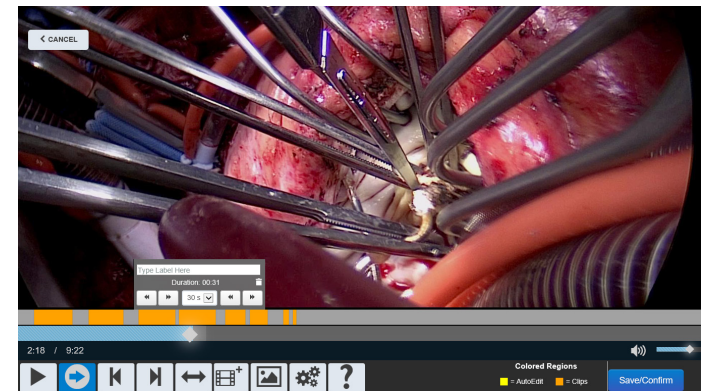## Remotely Access the Recorder to Execute Procedures and More

- Remote access lets you Interact with the nCare from computers (Windows® and Mac®), and tablets (iPad) that are connected to the hospital's network
- Remote Capture allows submission of images and videos captured from these networked devices to supplement a procedure record
- Clinicians can access the procedure content after the case from outside the procedure room or other locations on the hospital network*

*This feature is available for customers with a VaultStream content management system and for customers deploying nCare in an Enterprise or Connected fashion.

Produce and Share Visual Content

nCare is part of Olympus' Enterprise Medical Content Management system. The VaultStream content management system, a suite of video visualization, production, and editing software, gives busy clinicians a powerful way to easily and securely optimize their surgical data.

- VaultStream EasyView allows clinicians to quickly access a library of surgical images to consult with patients, patient's families, and other medical staff from a hospital-networked computer or iPad
- VaultStream EasyPost Video Production automatically records video either during patient registration or with the first image/ video captured, ensuring critical footage is not missed

Powerful EasyPost user interface showing editing controls

- Easily select and adjust a key video snippet to the appropriate length before it is sent to PACS or made available to EHR systems automatically, improving relevance of visual data and optimized video storage space
- VaultStream EasyCut® Video Editing allows clinicians to create their own high-quality presentation-ready highlight videos for educational lectures, professional meetings, and surgical documentation

Safeguard Surgical Data

nCare features:

- Windows 10, Microsoft®'s Enterprise IoT, a commercially hardeneded, embedded operating system
- Windows Defender antivirus/antimalware software
- Windows Server Update Services (WSUS) to deliver antivirus and critical security updates
- Windows BitLocker® hard-drive encryption

Aid in HIPAA Compliance

- Individual login credentials
- Unique user accounts
- Password protection
- User access log
- Ability to de-identify personal health information (PHI) from patient records

Prevent Loss and Corruption of Visual Data

StreamGuard™ is an embedded power management system that initiates a controlled shutdown in the event of an unexpected power loss to prevent the corruption and loss of irreplaceable procedure data.

Support a variety of surgical devices and environments

The versatile solution addresses the demand for imaging-heavy, minimally invasive, diagnostic and therapeutic procedures conducted in care environments such as ENT, GI, Urology, and Surgical Endoscopy. A vendor-neutral architecture enables the nCare medical recorder to easily capture virtually any video signal up to 1080p HD, as well as view, label, and export high-resolution JPEG images and high definition (HD) MPEG-4 video from nearly any endoscope or surgical video device.

Options
Video Recording
HD
Single or dual-channel
Clinical Collaboration
Live Video Streaming
Virtual Collaboration & Support via MedPresence
Device Adapters, Switches, & Network Accessories
Direct SDI(s) and/or DVI and S-Video EasyLink Adapters
5-port Multiformat Input Switcher
Output Switcher for two DVI displays
Wireless Extension Kit
Displays (all with a native 1080p resolution)
15" medical-grade touch-panel
15" commercial-grade touch-panel
21.5" medical-grade touch-panel
Enterprise & HIS Integration
DICOM format videos (DICOM image submission to PACS is included on all models)
HL7 Orders & Results
Image Capture
Footswitch and camera head trigger for uninterrupted image capture
TallyLight™ for visual confirmation of image capture
Printers
In-room, medical-grade Sony UP-DR80MD
Workflow Modules
EasyView
Remote Capture
LiveStream
EasyPost Video Production (Background recording and editing)
EasyCut

Features
One-button power control from the cart
SDI-direct connection to the recorder
Control via a touch panel, remote PC, or iPad®
Patient data integration via DICOM and HL7
High-quality, live video loop for secondary display
Full-screen video preview on the primary display
Side-by-side comparative analysis
Capture image of virtually any video signal up to 1080p HD
Standard MPEG-4 video and JPEG image formats
Remote Capture with iPad® or iPhone®
Recording status and PiP flash capture confirmation
Captured image count
Precise video playback of high-resolution images
Free text labeling for videos, images, and print reports
StreamGuard™ data protection