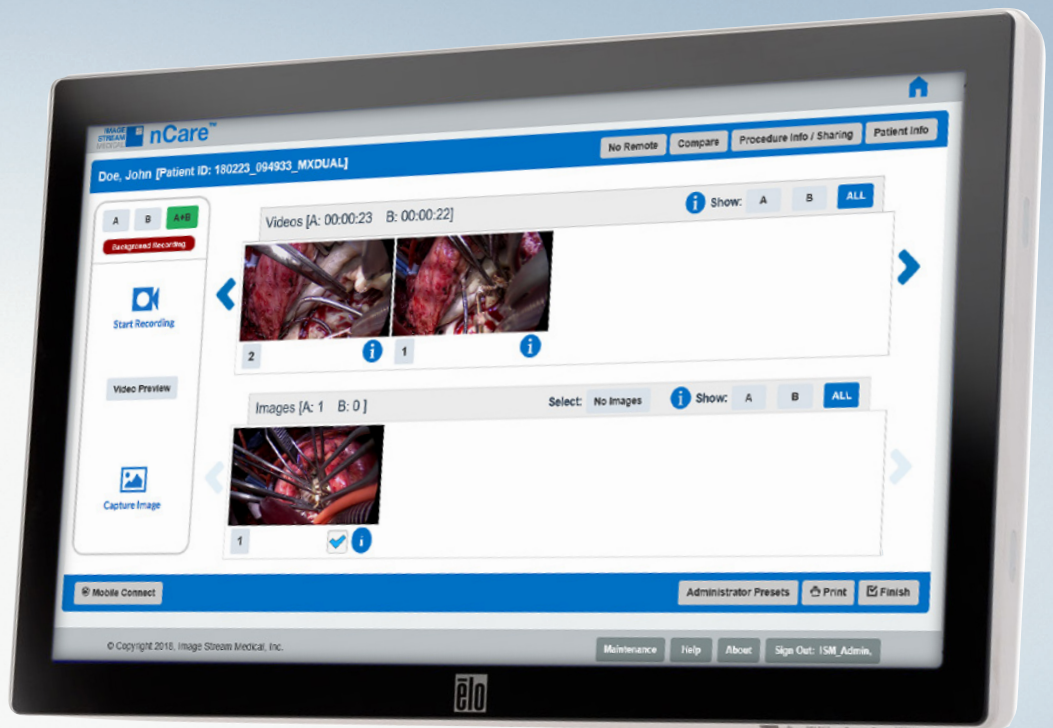


## nCare<sup>®</sup> 10

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 Worklists\* 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

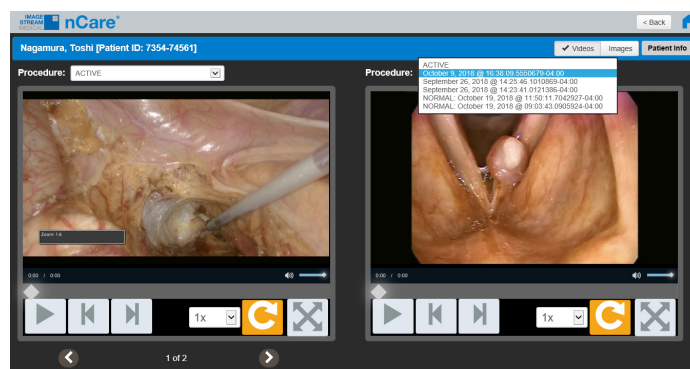
The nCare enterprise medical recorder helps a clinician in every step of the patient procedure:

- 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

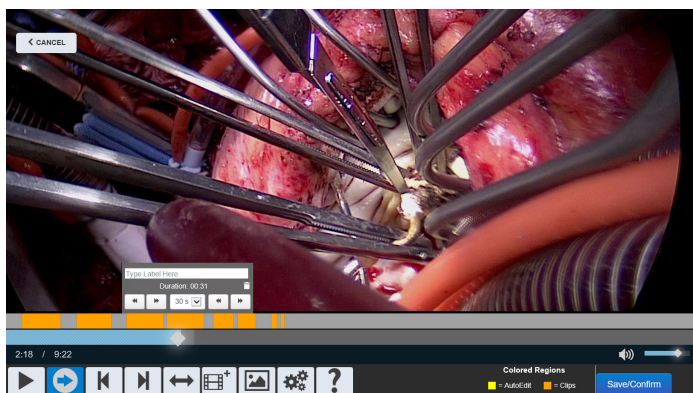
- Remote access lets you interact with the nCare from computers (Windows® and Mac®), and tablets (iPad) that are connected to the hospital's network
- Remote Capture allows submission of images and videos captured from these networked devices to supplement a procedure record
- Clinicians can access the 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 hardened, 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

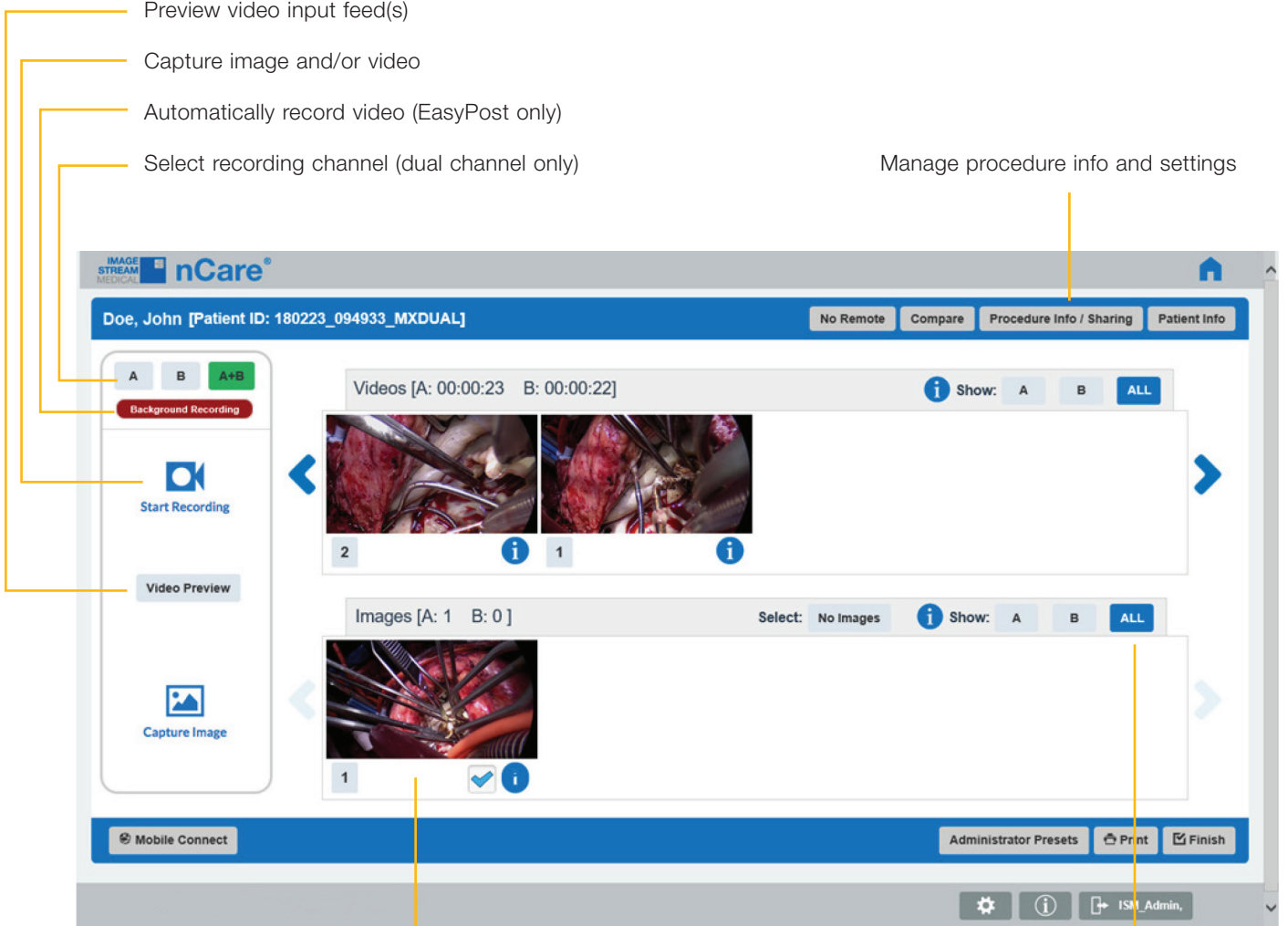
Free text labeling for videos, images, and print reports

StreamGuard™ data protection

# 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)

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**OLYMPUS AMERICA INC.**  
3500 Corporate Parkway, PO Box 610, Center Valley, PA 18034

For more information, contact your Olympus  
sales representative, or call 800-848-9024.  
[www.medical.olympusamerica.com](http://www.medical.olympusamerica.com)

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