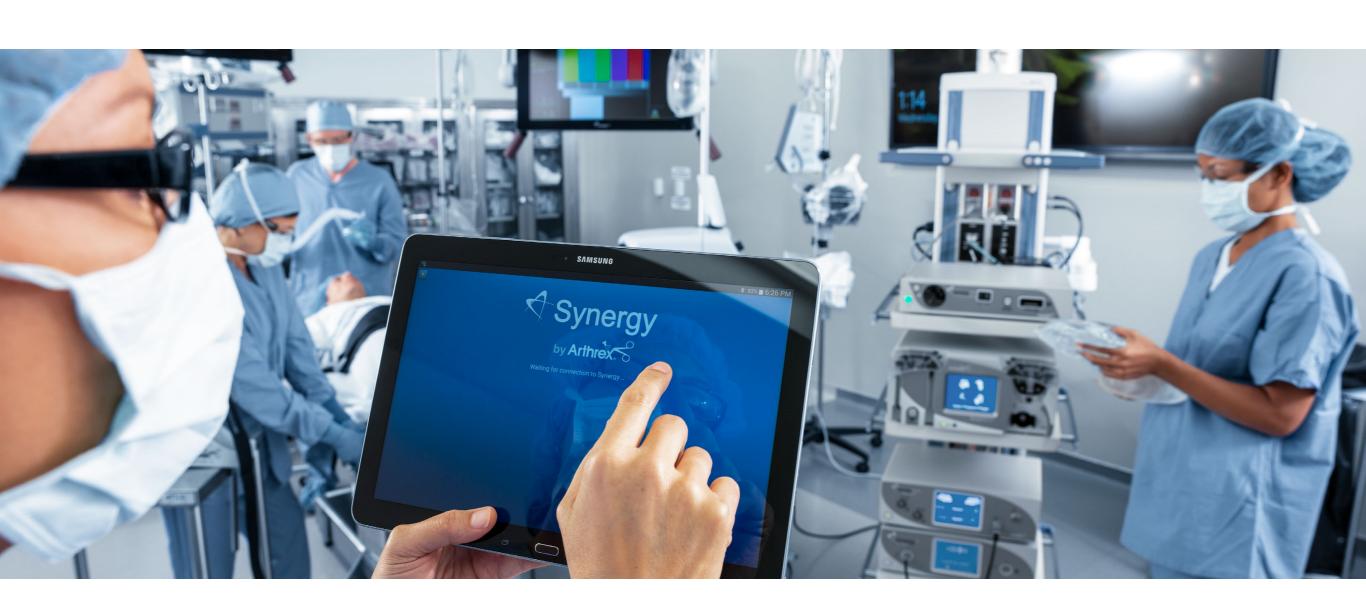# Synergy Imaging Systems Software

Brochure

Arthrex®

Introduction

The Synergy$^{UHD4™}$ and Synergy$^{ID™}$ surgical video systems combine exceptional imaging with advanced technology capabilities to deliver a comprehensive suite of features to support OR workflow. Arthrex innovation has created an innovative approach for applying software features to better serve our customers' needs.

Boasting exceptional surgical imaging, the Synergy imaging platform incorporates advanced software features to add specialized functions that support OR workflow. Segmented features allow customers to personalize the system with the features and functions that best suit their needs.

Four software bundles support various facets of workflow. Basic features, data management, workflow support, and clinical enhancement are bundled separately. The Synergy premium bundle includes all software features. Additional features can be added at any time, and all features are available separately.

All Synergy consoles come with 4K imaging, media capture, printing, and export to USB capabilities.

Expand your imaging platform with customized, advanced features to improve OR workflow, optimize surgical field visualization, and augment tissue appearance/ differentiation. Arthrex innovation is Helping Surgeons Treat Their Patients Better™.

Bundle Features

	Bundle 1 Basic Features (included with all consoles)	Bundle 2 Data Management AR-3200-1063	Bundle 3 Workflow Support AR-3200-1064	Bundle 4 Visual Enhancement AR-3200-1065	Bundle 5 Premium AR-3200-1060
4K Imaging					
Media Capture					
Printing					
USB Export					
DICOM					
Network Storage					
Synergy.net™ Software Pairing					
Video Streaming/Chat					
Heads-up Display					
Annotations					
iPad Export					
Surgical Timeout					
Secondary Device Capture					
BioOptico Spectral					
BioOptico Texture					
Color Filters					
Highlight					

Appendix

4K Imaging	Allows the user to view the live surgical video in 4K resolution.
Media Capture	Users can capture surgical images and videos.
Printing	Print surgical images to a local printer.
USB Export	Export surgical case media, including images and video, to a USB drive.
DICOM	Users can send images to a PACS server via DICOM protocol. This feature also supports DICOM modality worklist to pull case schedules from a PACS and DICOM storage commitment to ensure adequate space on PACS.
Network Storage	Send surgical cases, including case media, to a network storage folder in .jpeg, MP4, and/or PDF formats.
Synergy.net™ Software Pairing	Pair CCU with Synergy.net software, allowing data to be shared and uploaded through Synergy.net software.
Video Streaming/Chat	Allows surgeons to securely stream the surgical video feed to outside locations, which includes a chat feature to communicate between the audience and the surgical team.
Heads-up Display	Allows users to view current settings of connected Arthrex devices, including shaver, insufflator, RF, and/or pump, on the surgical display monitor.
Annotations	Surgeons can add annotations to surgical images and export images with annotations.
iPad Export	Export cases to the Synergy Surgeon™ iPad application to manage case media and create multimedia-rich patient reports.
Surgical Timeout	Users complete a surgical preparation checklist prior to beginning the procedure to ensure all required steps have been completed.
Secondary Device Capture	Allows connection to and image capture from a secondary device, which does not have to be an Arthrex device.
BioOptico Spectral	Augmented-reality algorithm that provides overlays to the video image, which represent the image's spectral content, as an alternate visualization tool.
BioOptico Texture	Augmented-reality algorithm that provides overlays to the video image, which represent the brightness variations of the underlying image, as an alternate visualization tool.
Color Filters	Apply a filter to increase or decrease the red saturation of an image on the surgical monitor.
Highlight	Enhancement to create consistent illumination throughout the surgical field.

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