CADWELL®
Helping you help others

Arc

EEG SOLUTIONS GUIDE
ROUTINE · AMBULATORY · ICU · NICU · EMU

This guide is designed to give you a comprehensive understanding of the hardware, software, supplies, accessories, carts, and electrodes that Cadwell offers to support Arc EEG studies.

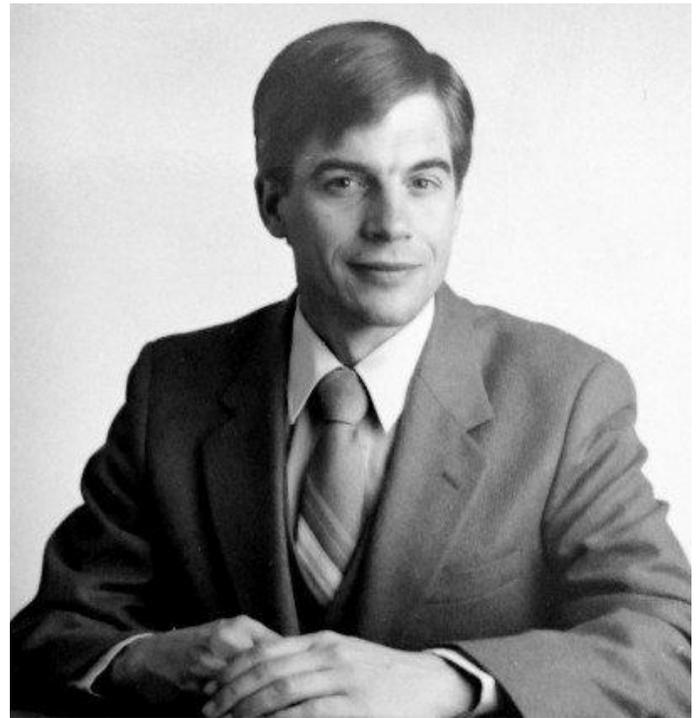# WHY SHOULD YOU CHOOSE CADWELL ARC EEG SOLUTIONS?

Arc EEG is the culmination of a decades-long collaboration with our customers in response to the ever-changing needs of brain monitoring. We considered patient safety, signal quality, efficient workflow, and multi-user collaboration when we designed Arc EEG for you.

Cadwell is family owned and operated, and is solely dedicated to neurophysiology. Since 1979, we have stayed true to our mission of *Helping You Help Others*, by providing excellent diagnostic and monitoring systems, market-leading support, and secure data management.

Cadwell® first introduced a dedicated EEG product in 1984, and has since released the Spectrum 32, Freedom, Central, Easy® Writers and Easy Readers, Easy Ambulatory, Easy II Console, Easy Ambulatory II, Easy III, Q-Video® Mobile (QVM), QVM2, Arc Alterna®, Arc Essentia®, QVM3, Arc Apollo™, Arc Apollo+®, Arc Zenith™, and Arc Voyager®.

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A HISTORY OF CADWELL

The legacy that John and Carl Cadwell began in 1979 remains entirely focused on providing innovative and easy-to-use neurodiagnostic, neuromonitoring, and sleep diagnostic solutions.

We value customer input, innovation, product quality, intuitive usability, and outstanding user support to set new standards with our neurology solutions for:

- EEG brain monitoring
- EMG, EP, NCS, and Ultrasound
- IONM surgical monitoring
- PSG and HSAT sleep diagnostics
- Data management
- Neuro consumables

We are committed to creating cutting-edge neurology technology and providing market-leading customer support. Cadwell® is staying true to its mission: helping you help others.

DECADES OF INNOVATION IN NEURODIAGNOSTICS

For more than four decades, Cadwell® has collaborated with customers and invested in responsive research and development, resulting in cutting-edge EEG solutions for clinical, ambulatory, in-home, and long term monitoring of patients of all ages.

Since the release of our first dedicated EEG product in 1984, we have continued to bring customers new products, product enhancements, regular software updates, and workflow improvements. Our work has culminated most recently in Cadwell's Arc EEG system, including Arc Zenith, Arc Apollo+, Arc Essentia, and Arc EEG software.

Today, we continue to work in tandem with world-leading clinicians to create superior solutions and medical devices that help patients around the world.

WORLD-CLASS CUSTOMER CARE

The customer care Cadwell® provides is unmatched in the neuro world. Our CadCare® Customer Support Programs give you additional options including extended service plans, and the CadLink® Software Support and Maintenance Program. With the purchase of each Neurodiagnostic or Intraoperative Monitoring system from Cadwell, you acquire:

- A lifetime CadCare Membership
- Limited Factory Warranty
- Limited Software Maintenance and Support

Increase your coverage on hardware with an Extended Service Package, which may include bundled discounts for support benefits, and multi-unit and multi-year discounts.

Learn more at www.cadwell.com/cadcare.

COMPLIMENTARY PREMIUM ONLINE SUPPORT

Cadwell's web-based Support site for USA-based customers provides easy access to:

- Downloadable Arc software updates and licensable feature upgrades
- User Guides and Frequently Asked Questions
- Video tutorials and recorded webinars, including:
  - Introduction to EEG Trending
  - Intermediate EEG Trending
  - Advanced Trending, Clinical Applications, and Case Studies

Register at cadwell.support/register.

CADCARE CUSTOMER SUPPORT PROGRAMS

The customer care Cadwell® provides is unmatched in the neuro world. Our CadCare® Customer Support Programs give you additional options including extended service plans and a CadLink Software Support and Maintenance Plan.

- **A lifetime CadCare Membership**
  Lifetime means the functional lifetime of the equipment, during which Cadwell is able to service, support, and provide software updates for the piece of equipment; functionality may slowly diminish as software updates are no longer provided and parts become obsolete, at which time the functional lifetime of the equipment may cease.
- **Limited Factory Warranty**
  Limited Factory Warranty coverage is 12 months for new equipment or six months for refurbished equipment purchased from Cadwell.
- **Limited Software Maintenance and Support**
  Software Maintenance and Support is covered during the Limited Factory Warranty.
- **PSG, LTM, and EMU 24/7 Premium Support**
  Cadwell offers dedicated 24/7 Premium Support for EEG and sleep monitoring. Part No. 8001096. Benefits include:
  - Phone and remote support coverage outside of normal working hours, including weekends and holidays
  - General application support, operations questions, and report maintenance
  - Scheduled appointments for customer follow-up, dedicated after-hours support, and escalation to senior support

CADCARE MEMBERSHIP ELIGIBILITY

When a Cadwell system is purchased directly from Cadwell, that equipment is automatically enrolled in the CadCare Membership Program for as long as you own the equipment. If your Cadwell equipment was purchased from a third-party seller, you must enroll that equipment in the CadCare Membership Program for $1,200 per system, per year of membership.

EXTENDED SERVICE PLANS

Increase your coverage on hardware with an Extended Service Plan, which may include bundled discounts for support benefits, and multi-unit and multi-year discounts.

Limited Warranty	CadCare Membership	Benefits	Extended Service Plans Level 2	Level 3	Level 4
✓	✓	Live phone answering (M-F, 4:30 a.m. – 5 p.m. PT)	✓	✓	✓
✓	✓	Phone support for general software application and hardware troubleshooting questions (M-F, 6:30 a.m. – 5 p.m. PT)	✓	✓	✓
✓	✓	Software upgrades (for purchased licensed features)	✓	✓	✓
✓	$	Custom report creation	$	✓	✓
✓	✓	Maintenance with existing reports	✓	✓	✓
✓	$	Application training via webinar	✓	✓	✓
✓	$	Diagnostic Remote Web Support	✓	✓	✓
✓	$	Preventive Maintenance (scheduled PM & 7-day turn options)	✓	✓	✓
✓	$	Equipment loaners	✓	✓	✓
✓	$	Shipping and handling of repairs and loaners	$	✓	✓
✓	$	Cadwell parts and labor (basic extended warranty)	✓	✓	✓
$	$	Expedited equipment repair	$	✓	✓
$	$	Workstation setup and configuration beyond original equipment install	$	$	✓
✓	$	Non-Cadwell peripheral equipment coverage (e.g. PCs and printers purchased from Cadwell)	$	$	✓
X	X	One-time discount for computer replacement	X	X	30%
✓	$	CadLink Software Maintenance and Support Plan (discounts available). Service Contract Part No. 8001066	$	20%	30%

Legend:
✓ = included
$ = purchasable option
X = not available
% = discount available

Arc Hardware	Additional Components QVM3	Voyager	Cortical Stim	Part Nos. of Extended Service Plans Level 2	Level 3	Level 4
Apollo+ Ambulatory 32-channel				8001602	8001603	8001604
	✓			8001622	8001623	8001624
		✓		8001607	8001608	8001609
	✓	✓		8001627	8001628	8001629
Apollo+ Ambulatory 64-channel				8001642	8001643	8001644
	✓			8001662	8001663	8001664
Essentia E1 32-channel				8001252	8001253	8001254
Essentia E3 32-channel				8001282	8001283	8001284
Zenith 144-channel				8001262	8001263	8001264
			✓	8001267	8001268	8001269
Zenith 288-channel				8001272	8001273	8001274
			✓	8001277	8001278	8001279

CLINICAL EDUCATORS

Cadwell® support teams are made up of industry experts, registered in EEG and Sleep. Our Clinical Educators are a resource for your teams for complex case consultations. With the guidance of our EEG Global Specialist, our EMU Clinical Educators are focused on supporting new EMU customers with the transition to Arc EEG solutions, specifically the clinical use and on-boarding of Zenith.

Cadwell shipment arrives in Jakarta, Indonesia, ready for installation.

EEG and EMG equipment installation in Saudi Arabia. Photo by Mohammed Saeed.

EEG Training in Myanmar. Photo by Ei Nandar Oo.

CADWELL EDUCATIONAL WORKSHOPS

Cadwell® hosts regular in-person workshops for continuing education in EEG, NCS, and IONM. Our hands-on EEG workshops for technologists cover important topics including seizures and seizure classification, EEG billing and coding, 10/20 head measurement, EEG artifact identification and troubleshooting, and more. ASET Continuing Education Units are available for qualifying courses.

Setting up ambulatory EEG at the Hands-On Intro to EEG Workshop.

Heads up! The EEG Workshop is about to begin.

EXPLORE UPCOMING WORKSHOPS

Find our workshops and other learning opportunities at the Cadwell Educational Programs website.

https://cadwell.education/

PRODUCT AVAILABILITY VARIES BY MARKET.

1979
CADWELL®
7000 EMG/EP

The world's first
microprocessor-
controlled EMG

1984
SPECTRUM
32
EEG/EP

1986
SPECTRUM 32
D/P
(DESKTOP
PACKAGE)

1989
FREEDOM EEG

1993
CENTRAL
EEG/EP/EMG

EASY WRITER
EEG

1996
EASY®
AMBULATORY
EEG

1998
EASY® LAB LT

EASY® II
EEG/PSG

2015
ARC ALTERNA
AMBULATORY EEG

CADLINK DATA
MANAGEMENT
SOFTWARE

ARC 1.0
SOFTWARE

2004
EASY® AMBULATORY 2
EEG/PSG

2007
EASY® III EEG/PSG

2012
Q-VIDEO®
MOBILE

2014
Q-VIDEO®
MOBILE 2

CADWELL—DECADES OF EEG TECHNOLOGY INNOVATION

Cadwell® began its journey in 1979 with the invention of the world's first microprocessor-controlled EMG, the Cadwell 7000. Since then, we have continuously expanded our neurophysiology portfolio to include advanced EEG products and solutions tailored to meet real clinical needs. Recognizing the critical role of EEG in diagnosing and monitoring neurological conditions, we continue to advance our Arc EEG solution today, delivering scalable, reliable, and feature-rich EEG products built for your patients.

2016
ARC ESSENTIA E1, E2, E3
Q-VIDEO® MOBILE 3
ARC 2.0 SOFTWARE

2017
ESSENTIA E1 V2
ESSENTIA E3 V2
ARC 2.1 SOFTWARE
ARC SYNOPSIS®

2019
ARC APOLLO
32-CHANNEL
ARC ZENITH
ARC SENTINEL

2022
ARC APOLLO+
32-CHANNEL
ARC APOLLO+
64-CHANNEL
ARC 3.0
SOFTWARE

2023
ARC VOYAGER®
Remote Monitoring
ARC 3.1 SOFTWARE
Featuring wireless capabilities

2024
ARC 3.2 SOFTWARE
Introducing multi-camera functionality
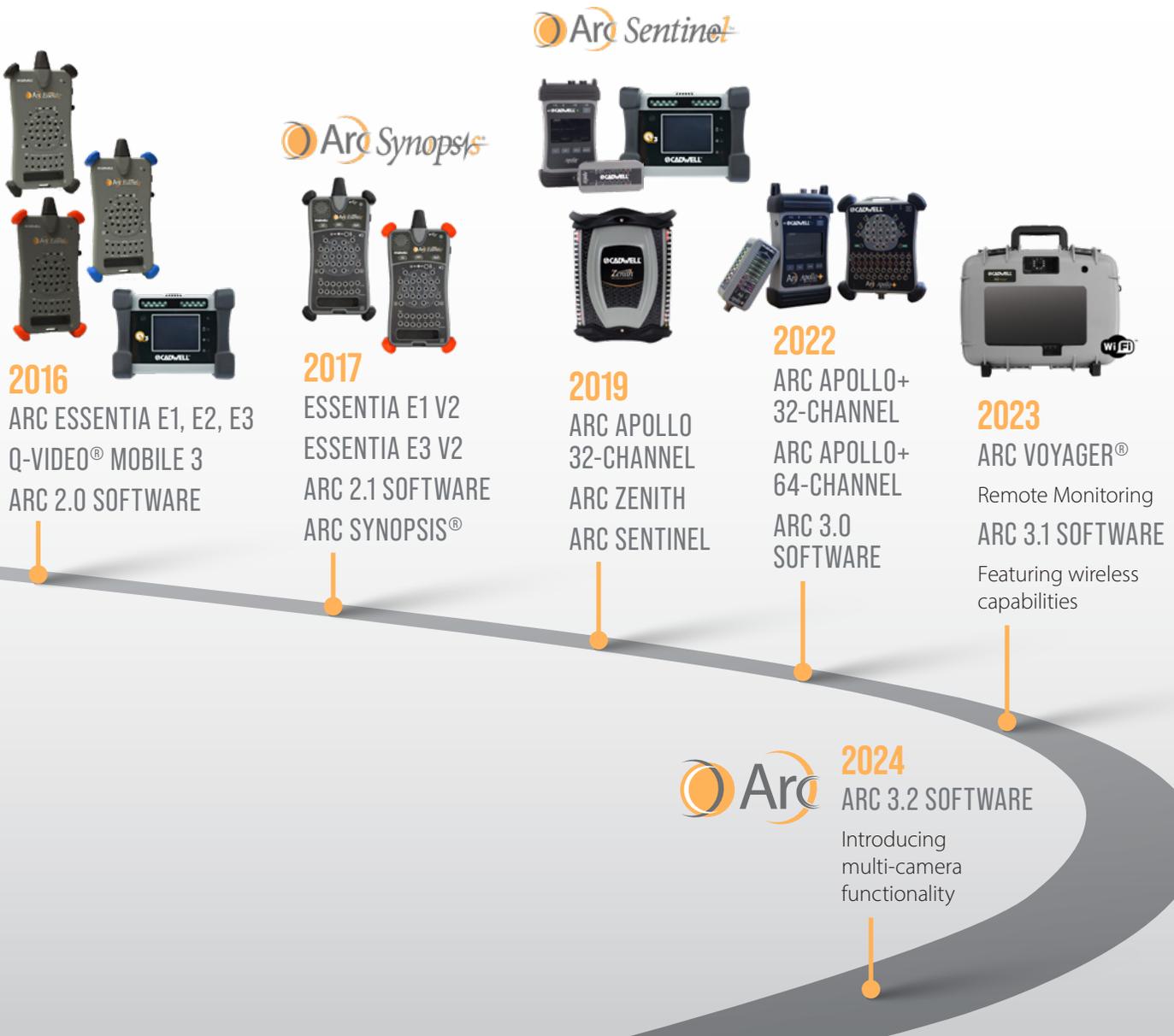
Arc Apollo+ 32-Channel Amplifier, Arc Apollo+ Recorder, Arc Apollo+ 64-Channel Amplifier, Arc Voyager (in back), Q-Video Mobile 3

ARC APOLLO+

Arc Apollo+® is a wearable EEG system that is flexible for clinical, ambulatory, in-home, and long term monitoring (LTM) of patients of all ages. Arc Apollo+ system can be redeployed where it is needed. The onboard battery on the Apollo+ Recorder gives patients ambulatory freedom, even in hospital settings. Arc Apollo+ hardware is IP-22 water resistant.

ARC APOLLO+ 32-CHANNEL AMPLIFIER

Designed for in-home and in-hospital ambulatory EEG. Wearable and lightweight with up to 32 color-coded inputs with three bipolar pairs.

ARC APOLLO+ 64-CHANNEL AMPLIFIER

Designed for higher channel count EEG for LTM, epilepsy monitoring units (EMU), and intensive care units (ICU). Wearable with up to 64 referential inputs with eight bipolar pairs.

ARC APOLLO+ RECORDER

The Apollo+ Recorder acquires, records, and transmits physiological and environmental data to an acquisition PC utilizing Arc EEG software. The recorder features onboard NAND data storage, continuous impedance checking, and wireless data streaming allowing for remote monitoring with automatic backfill when patients go out of range.

The recorder features rechargeable Li-ion batteries, customizable patient event buttons, and storage rates from 250-2000 Hz. Use with patient event button and patient microphone, IP or USB cameras, Arc Voyager® or Q-Video® Mobile 3 for in-home testing, and either of the 32- or 64-channel Apollo+ Amplifiers.

ARC VOYAGER

Remotely monitor in-home patients and enable daily reporting with this portable accessory with automatic IR switching, HD video, audio recording, and connectivity with the Apollo+ Recorder via wired or wireless connections.

Q-VIDEO MOBILE 3

Enable traditional in-home video EEG monitoring with post-hoc review with the Q-Video Mobile 3 (QVM3). Automatic IR switching, HD video, and audio recording with rechargeable onboard batteries.

Arc Essentia E3, Arc Essentia E1, Arc Essentia Remote Input Box

Arc Zenith 144-288 Channel Amplifier

ARC ESSENTIA

Arc Essentia® is a rugged, durable, and water-resistant EEG system for clinical EEG studies and long term monitoring of patients of all ages. The 32-channel amplifiers acquire and transmit physiological and environmental data to an acquisition PC utilizing Arc EEG software.

ARC ESSENTIA E1 32-CHANNEL AMPLIFIER

Designed for simple EEG in a private practice setting, Arc Essentia E1 provides storage rates of 250 and 500 Hz, and electrode continuity check.

ARC ESSENTIA E3 32-CHANNEL AMPLIFIER

Intended for LTM, EMU, and brain monitoring in the ICU and neonatal intensive care unit (NICU). Essentia E3 provides storage rates of 250, 500, 1000, and 2000 Hz for cEEG monitoring, and offers pulse oximetry and continuous impedance capabilities.

ARC ESSENTIA REMOTE INPUT BOX

Protect the Arc Essentia amplifier, extend the reach of inputs, and replicate all of the inputs on the amplifier with the Remote Input Box.

ARC ZENITH

Arc Zenith™ is a high channel count EEG solution with integrated direct cortical stimulation. Arc Zenith is an electroneurodiagnostic device that accepts, measures, and transmits electrical activity of the brain via scalp and intracranial EEG signals, and, utilizing an integrated switch matrix, relays stimulation signals to the patient. Choose one or two 144-channel amplifiers to achieve up to 288 channels.

ARC ZENITH 144-288 CHANNEL AMPLIFIER

Arc Zenith was designed to simplify your operational workflow and reduce setup and surgery time. Streamline electrode layout with automatic input mapping. Select any input on any amplifier as ground and any other input as the recording reference.

ZENECT ADAPTORS

Zenect® adaptors are patented, smart ID mass electrode magnetic connectors for high channel count intracranial EEG. Once programmed and mapped to a specific electrode set, each Zenect adaptor can be plugged in anywhere on any Zenith amplifier, saving time and reducing human error.

Arc Apollo+®

LTM, EMU, ICU, NICU, IN-HOME, AND CLINICAL EEG

Arc Apollo+® is a 32-channel or 64-channel EEG solution for in-hospital, clinical, or at-home monitoring. Record continuous EEG with compact and lightweight wearable 32- and 64-channel amplifiers and a wireless-capable recorder. Amplifiers feature large, clear labels and 10-20 patterns that comply with Jasper and ACNS standards. Arc Apollo+ 32-channel Amplifier, Arc Apollo+ Recorder, and Arc Apollo+ 64-channel Amplifier are rugged, drop-tested, and IP22 water-resistant.

Cable retention loops

Durable metal amplifier cable connectors

Microphone port

Screen shows status of power, battery, and recording, and shows prompts for impedance checking

Headpattern touch-proof inputs. Disable unused inputs in the software to streamline resources.

Color-coded headpattern touch-proof inputs

Durable metal cable connector

Customizable patient event buttons

Durable metal cable connector

DEPLOY ARC APOLLO+ AS NEEDED

- Long-term monitoring in the ICU, NICU, or EMU
- Cardiac patients in the Emergency Room
- Ambulatory in-home studies with QVM3 video
- Remote monitoring of in-home studies with Arc Voyager®

IN-HOME EEG: UNMONITORED

ARC APOLLO+ AND QVM3

- Acquire dependable EEG data during in-home EEG studies with Arc Apollo+ and the Q-Video® Mobile 3 (QVM3) for unattended ambulatory EEG studies

- The QVM3 is a compact recording device that captures HD video and sound. Auto-switching infrared, a rechargeable lithium-ion battery, and an on-screen patient video display make this a simple and powerful tool for ambulatory EEG studies that can accommodate post hoc data review and reporting.

- Upon download, the video file synchronizes with the EEG data collected by Arc Apollo+ Recorder. Download speeds are as fast as eight minutes for every 24 hours of EEG and video.

- In unattended EEG studies, the Arc Apollo+ Recorder can achieve over three days of recording with no patient intervention. QVM3 batteries recharge in four hours, and the removable Arc Apollo+ Recorder batteries can fast charge in two hours.

COMPACT AND WEARABLE

- During clinical, in-hospital, and in-home studies, patients can move freely with continuous data acquisition, and impedance checking

- Enable in-home studies with programmable patient event buttons and rechargeable lithium-ion batteries

In-home monitoring options include Q-Video Mobile 3 (QVM3) for traditional post-hoc data reviewing (shown here) or Arc Voyager for remote continuous or intermittent monitoring (next page)

WATCH THE ARC APOLLO+ OVERVIEW VIDEO

IN-HOME EEG: WIRELESS WITH REMOTE MONITORING

ARC VOYAGER

Combining Arc Apollo+ and Arc Voyager®, Cadwell® provides an accessible, dependable, and secure connection for real-time remote continuous or intermittent access via a Wi-Fi or cellular network connection.

- Arc Voyager is a wireless remote monitoring system featuring a durable case, an integrated HD camera with automatic infrared switching, a microphone, and a rugged tablet PC with an on-screen patient video display

- Arc 3.1 and higher software releases enable wireless Wi-Fi connectivity between Arc Apollo+ and Arc Voyager

- Credentialed users can take remote control over the acquisition tablet PC to perform all required monitoring functions

Arc Apollo+ 32-Channel Amplifier, Arc Apollo+ Recorder, and Arc Voyager enable remote access to in-home ambulatory EEG.

SIMPLE SETUP

- Ensure reliable data acquisition with minimal patient interaction

- Complete patient setup in your office and send patients home with simple instructions to connect the Arc Voyager power cord to the case and power supply and make sure they can see themselves in the video display

WATCH THE ARC VOYAGER OVERVIEW VIDEO

AUTOMATIC DATA BACKFILL ENSURES DAILY REPORTS

In-Home EEG Monitoring

Arc Apollo+ Amplifier and Recorder

Arc Voyager

Technologists Remote Monitoring

Physician Remote Daily Reporting

If a patient leaves the Wi-Fi range of Arc Voyager or experiences a bad data connection, the Arc Apollo+ Recorder will automatically backfill data to the Arc Voyager when the connection is restored.

Wireless EEG data capture with automatic data backfill eliminates difficult-to-read EEG data caused by wireless connection issues, ensures that monitoring and reporting activities are always working with a complete data set, and enables comprehensive real-time review for daily and post-hoc reporting.

MAXIMUM PATIENT COMFORT AND FREEDOM

- With Arc Voyager and Arc Apollo+, patients benefit from untethered wearable EEG in their homes, maximizing their mobility, comfort, and freedom.
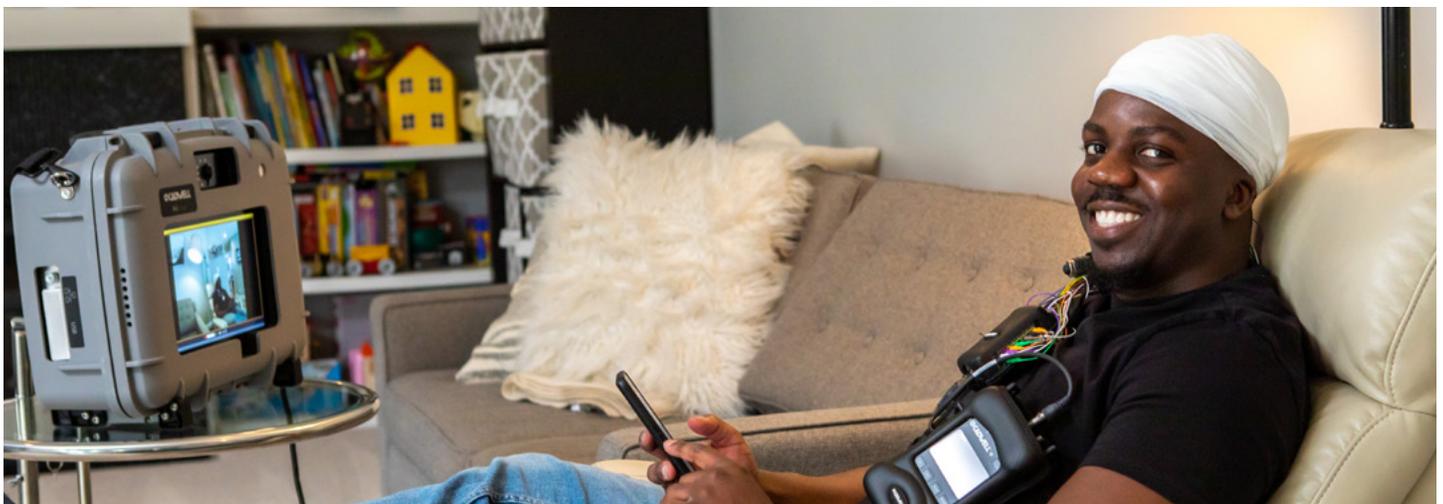
ARC APOLLO+ COMPONENTS AND ACCESSORIES

Arc Apollo+ 32- channel Amplifier, Arc Apollo+ Recorder, and Arc Apollo+ 64-channel Amplifier

Arc Apollo+ Cable

USB A-C Cable   *USB-A Extension Cable*

ARC APOLLO+ SYSTEMS

Choose from 32 or 64-channel Amplifiers with a Recorder.

Products	Size	Part No.
Arc Apollo+ Amplifier and Recorder	32-channel	9600720
	62-channel	9600721
Ambulatory Kit: 2 Li-Ion Batteries, 1 Battery Charger, 1 USB SATA Cable, 1 Voice Event Microphone		9600726

ARC APOLLO+ CABLES

Arc Apollo+ cables offer simple push-pull reinforced metal connectors to secure the amplifier to the recorder and are rated for 10,000 connections. Cables for the legacy Arc Apollo are also available. Call Cadwell for details.

Products	Size	Part No.
Arc Apollo+ Cable (Amplifier to Recorder)	12 in (30.5 cm)	199328-000-010
	70 in (1.78 m)	199328-000-070
	10 ft (3 m)	199328-000-120
	30 ft (9.1 m)	199328-000-360
USB-A-C Cable with two ferrites (Recorder to PC)	3 ft (91 cm)	197328-200
	6 ft (1.8 m)	197329-200
USB-A Extension Cable	16 ft 5 in (5 m)	286142-000

ARC APOLLO+ RECORDER BATTERIES

Rechargeable Lithium Ion (Li-Ion) batteries are easy to install in the Apollo+ (and Apollo) Recorder. Please note that Li-Ion batteries must ship ground, cannot ship FedEx Express.

Products	Part No.
Battery Kit: 2 Li-Ion Batteries, 1 Battery Charger	9600725
1 Recorder Battery	245019-000
1 Battery Charger	229052-000

ARC PHOTIC STIMULATOR

The Arc Photic Stimulator has a flash rate of 1-60 Hz and a pulse width of 10 ms. Its USB cable comes in multiple length options and connects the photic to the computer.

Products	Part No.
Arc Photic Stimulator	190289-200
Photic 3.0 USB Cable, 10 ft (3 m)	286129-200
Photic 3.0 USB Cable, 25 ft (7.6 m)	286130-200

VOICE EVENT MICROPHONE

Eliminate the need for written diary entries for at-home recordings with EEG-synchronized voice events that can be played back from the Arc Event List during data review. To set up: Plug into the top of the Apollo+ Recorder and attach lapel clip to patient's shirt or harness. To use: Press and hold button on microphone to record.

Products	Part No.
Voice Event Microphone	197208-200

PATIENT EVENT SWITCH

Choose between a small wearable ambulatory event switch and a clinical patient event switch with longer cable lengths.

Products	Length	Part No.
Ambulatory Patient Event Switch (black)	2 ft (60 cm)	199326-200
Clinical Patient Event Switch (white)	10 ft (3 m)	199244-200-010
	25 ft (7.6 m)	199244-200-025

APOLLO+ TEST ARRAYS

Products	Part No.
32-Channel Amplifier Test Array	199310-200
64-Channel Amplifier Test Array	199329-200

ARC APOLLO+ COMPONENTS AND ACCESSORIES

ARC VOYAGER

Enable access to remote monitoring for in-home ambulatory EEG studies with the Arc Voyager®. Includes Arc Voyager case, power cord, shoulder strap, and microphone cover.

Products	Part No.
Arc Voyager Case with Tablet, Power Cord, and Shoulder Strap (requires Q-Video license)	9602018
Arc Voyager Case without Tablet (requires Q-Video license)	9602017
Wireless Keyboard and Mouse	291214-000
Shoulder Strap, replacement	071002-000
Power Cord, replacement	286174-000

ARC APOLLO+ HARNESS

Padded Velcro shoulder strap and holster with snap pocket for cable retention. Adjust the strap size for each patient to ensure optimal comfort. Durable and wipeable.

Products	Part No.
32-channel Amplifier Harness	197282-200
64-channel Amplifier Harness	197327-200

Left: The 32-Channel Amplifier Harness is often used for in-home ambulatory studies.
Right: The 64-Channel Amplifier Harness is often used for long-term clinical ambulatory studies.
Both shown with their amplifier, recorder, and cables.

BAGS

Set up patients with a backpack or small duffel bag for ambulatory use of the Arc Apollo+ system.

Products	Part No.
Backpack	202580-000
Duffel Bag	198202-000

A   B

C   D

E   F

G

H

I

Q-VIDEO MOBILE 3 (QVM3)

Capture 96+ hours of in-home EEG-synchronized HD ambulatory video with no patient intervention required with the Q-Video® Mobile 3.

- Rechargeable on-board batteries
- Automatic infrared switching for seamless day/night recording
- Single USB cable connects to computer
- Live video display

Products		Part No.
A	Q-Video Mobile 3 and Power Supply	9600715
B	Cadwell Carrying Case	198246-000
C	Tripod, small	198229-000
D	USB-A:USB-B, 6 ft (1.8 m)	286065-000
E	Power Supply Cord	286102-000
F	Power Supply, 12 V 30 W	229045-000
G	Allen Key Reset Tool	020008-000
H	Samsung Solid State Drive, 2.5 in (6.35cm) SATA 6 GMs, 512 GB	290171-000
I	USB SATA Adaptor Cable	286126-000

ARC APOLLO+ TECHNICAL MANUAL

Choose from CD or USB Drive.

Product	Part No.
Arc Apollo+ Technical Manual, CD	100871-621-200
Arc Apollo+ Technical Manual, USB	100871-621-201

ARC ESSENTIA
ROUTINE, CLINICAL, EMU, ICU, NICU, AND OUTPATIENT EEG

Arc Essentia® is engineered for basic EEG tests, long-term monitoring (LTM), epilepsy monitoring units (EMUs), and brain monitoring in the ICU or NICU. It delivers high-quality EEG signals, even in noisy environments. Its rugged and water-resistant hardware can withstand the use and abuse of real-life clinical practice.

Arc Essentia acquires, records, transmits, and displays physiological and environmental data for electroencephalographic (EEG) ambulatory and/or clinical studies of patients of all ages.

Head pattern LEDs indicate impedance levels (software customizable)

Electrode impedance button

Electrode continuity check

Remote Input Box cable port

USB cable port

Power LED indicator

Patient event switch port

Start the recording from the amplifier

Touch-proof connector ports in a head pattern formation

7 active/reference pairs

Arc Essentia E1   *Arc Essentia E3*

	Arc Essentia E1	Arc Essentia E3
Use Case	Clinical EEG	LTM, EMU
Channels	32 channels, 7 active/reference pairs	
Storage Rates in Hz	250, 500	250, 500, 1000, 2000
Electrode Continuity Check	✓	✓
Streaming Data	✓	✓
Continuous Impedance Monitoring		✓
USB SpO$_2$ Compatibility		✓

THE ICU/NICU SOLUTION

Arc Essentia is a powerful and simple solution for long-term monitoring in intensive care environments.

- A single USB cable to the amplifier aids simple setup
- Poor electrode signal quality indicators for loose or dislodged electrodes
- Non-proprietary touch-proof inputs support any electrodes: surface, needles, or caps
- Color-coded inputs on the Remote Input Box enable quick setup
- Easy to use and simple to learn software has touchscreen options
- Get visual and audible notifications of major events
- Expand the channel count on-the-fly
- Network patient data for real-time remote review
- Add respiratory effort, EMG, EOG, SpO$_2$, and EKG channels to enhance clinical evaluation

Use remote pan, tilt, and zoom camera controls to watch over your patients and help capture clinical information during the study.

Set up an Arc Essentia on a Pole Cart to save room in ICU and NICU rooms. Utilize the Remote Input Box to reach patients and protect the amplifier.

PRODUCT AVAILABILITY VARIES BY MARKET.

ARC ESSENTIA COMPONENTS AND ACCESSORIES

Arc Essentia E1   *Arc Essentia E3*

Lanyard loop

Secure color-
coded touch-
proof inputs in
10-20 pattern

*Arc Essentia
Remote Input
Box*

Secure cable
connector port

ARC ESSENTIA 32-CHANNEL EEG AMPLIFIERS

Record up to 32-channels with seven active reference pairs and 250-2000 Hz storage rates. This rugged, drop-tested, and IP22 water-resistant construction exceeds safety standards and is built to last.

Products	Part No.
E1 Amplifier	9600710
E3 Amplifier	9600712

AMPLIFIER CABLE

A 10 ft (3 m) amplifier cable connects the amplifier to a PC.

Products	Part No.
Enhanced Amplifier Cable, 10 ft (3 m) USB cable	197274-200

ARC ESSENTIA REMOTE INPUT BOX

Extend your Arc Essentia amplifier inputs to the bedside with the 10-20 pattern Remote Input Box and your choice of cable length. Color-coded, secure inputs and secure cable connectors ensures convenient setup, recording integrity, patient comfort, and amplifier protection.

Remote Input Box Kit includes:	Part No.
Essentia 10-20 Pattern Remote Input Box	190294-200
10 ft (3 m) Cable, Remote Input Box	199283-000-010
25 ft (7.6 m) Cable, Remote Input Box	199283-000-025
Replacement Wipeable Lanyard	067015-000

ESSENTIA TECHNICAL MANUAL

Products	Part No.
Essentia Technical Manual CD	100870-621-200
Essentia Technical Manual USB Drive	100870-621-201

Xpod Pulse Oximeter USB Cable

ARC PHOTIC STIMULATOR

The Arc Photic Stimulator has a flash rate of 1-60 Hz and a pulse width of 10 ms. Its USB cable comes in multiple length options and connects the photic to the computer.

Products	Part No.
Arc Photic Stimulator	190289-200
Photic 3.0 USB Cable, 10 ft (3 m)	286129-200
Photic 3.0 USB Cable, 25 ft (7.6 m)	286130-200

Disposable Adult SpO$_2$ Sensors

PATIENT EVENT SWITCH

Patients, nurses or family members can mark events during recordings with the patient event switch.

Products	Length	Part No.
Patient Event Switch	10 ft (3 m)	199244-200-010
	25 ft (7.6 m)	199244-200-025

Pulse Oximeter Sensor Soft Wrap

Pulse Oximetry Extension Cable

PULSE OXIMETER SENSORS (SPO$_2$)

Choose from reusable or disposable sensors to monitor pulse oximetry during EEG. Add an extension cable for ease of access.

Products	Size	Part No.
Xpod Pulse Oximeter USB Cable	39 in (1 m)	198232-200
Disposable Adult SpO$_2$ Sensors, 24/bx	3.9 ft (1.2 m) cable	202941-030
Pulse Oximeter Sensor Soft Wrap	Medium, 1 m	202948-040-100
	Medium, 3 m	202948-040-300
	Large, 1 m	202948-050-100
	Large, 3 m	202948-050-300
Pulse Oximetry Extension Cable	3 m cable	202949-000

ESSENTIA TEST ARRAY

Products	Part No.
Essentia Test Array	360050-200

PRODUCT AVAILABILITY VARIES BY MARKET.

ARC ZENITH
HIGH CHANNEL COUNT INTRACRANIAL EEG
144-288 EEG CHANNELS WITH INTEGRATED DIRECT CORTICAL STIMULATION

The Arc Zenith™ system is a high channel count EEG system capable of cortical stimulation via the optional stimulator and built in switch matrix. Zenith is designed to simplify your operational workflow and reduce setup and surgery time. The system is capable of acquiring, storing, and reviewing neurophysiological data and report generation. Arc Zenith can be configured in a portable or fixed room configuration. Carts are available for purchase with the system.

Power indicator LED
(blinks green for ON)

Shock absorbing bumpers

Amplifier number indicator LED.
Two amplifiers are currently supported.

77 inputs per side

77 inputs per side

Ref 1 and Ref 2 are recommended reference inputs for your convenience, although any input on any amplifier except ground (GND) can be selected as the recording reference

GND 1 and GND 2 are recommended grounds for your convenience, although any input on any amplifier except Refs can be selected as the ground.

Magnetic ports with smart ID connectors enable mass connection of grid and depth electrodes with patented Zenect® connectors

Optional bipolar inputs

SafeT® cable IN connection

Lync OUT connection for stimulation, patient ground, and global common reference

Lync IN connection: Zenith to Cascade® IOMAX® for fully integrated stimulus delivery

SafeT® cable OUT connection

SIMPLIFY EPILEPSY MONITORING IN THE EMU WITH ARC EEG SOFTWARE

- Auto-generate bipolar, referential, and area of interest montages
- Select and place implanted electrodes in real time from only a laptop in the operating room
- Use either graphical or table interface for electrode placement organization, and automatically generate montages from your electrode sets
- Save setup and configuration time with preset library lists of electrodes by manufacturer, type, size, and spacing
- Change the order of the recording montage on the fly without needing to stop the recording or physically switch any electrode inputs
- Arc EEG software includes an open source API for research
- All intracranial case settings and montages follow the patient record

PRODUCT AVAILABILITY VARIES BY MARKET.

CORTICAL MODULE KIT FOR INTEGRATED STIMULUS DELIVERY

To enable cortical stimulation, the Cascade® IOMAX® Cortical Module is used in conjunction with the Arc Zenith system.

No need to unplug and replug electrodes, as the Cascade IOMAX hardware is fully integrated with the Arc Zenith amplifier for software-driven stimulus switch.

Choose a 0.5 m or 2 m cable length depending on location of the Cortical Module relative to the Arc Zenith amplifier.

CORTICAL MODULE KIT

Products	Qty	Components	Component Part No.
Cortical Module Kit Part No. 9600716	1	Cortical Module, IOMAX	190296-200
	1	Low Current Test Array, IOMAX	199286-200
	1	Low Current Interface cable (yellow)	362061-000
	2	Reference Jumper (black to blue)	302169-200
	2	Insulated Rail Mounting Hangers (for Cortical Module)	199339-200

Low Current Test Array

Low Current Interface Cable

Reference Jumper Cable

Insulated Rail Mounting Hangers (for Cortical Module)

LCS (Low Current Stim) output connects IOMAX Cortical Module to Zenith Amplifier using the Lync Cable
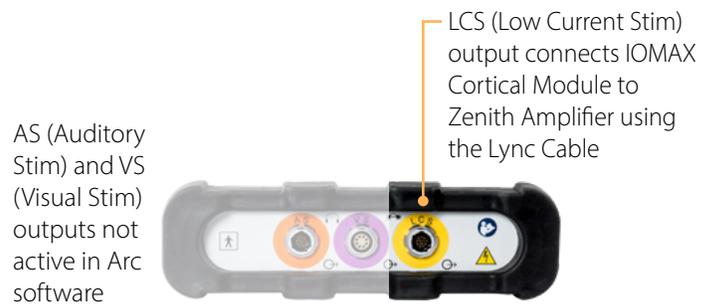
AS (Auditory Stim) and VS (Visual Stim) outputs not active in Arc software

Stimulator Outputs not active in Arc software

Amplifier Inputs not active in Arc software
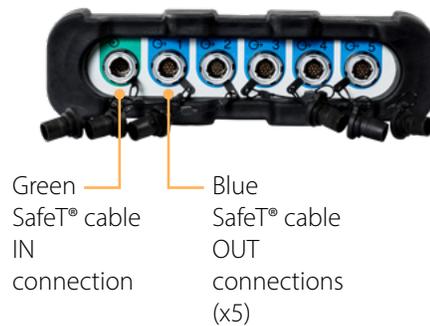
Green SafeT® cable IN connection

Blue SafeT® cable OUT connections (x5)

Cascade IOMAX Cortical Module

FUNCTIONAL STIMULATION CONFIGURATIONS

144-CHANNEL CONFIGURATION
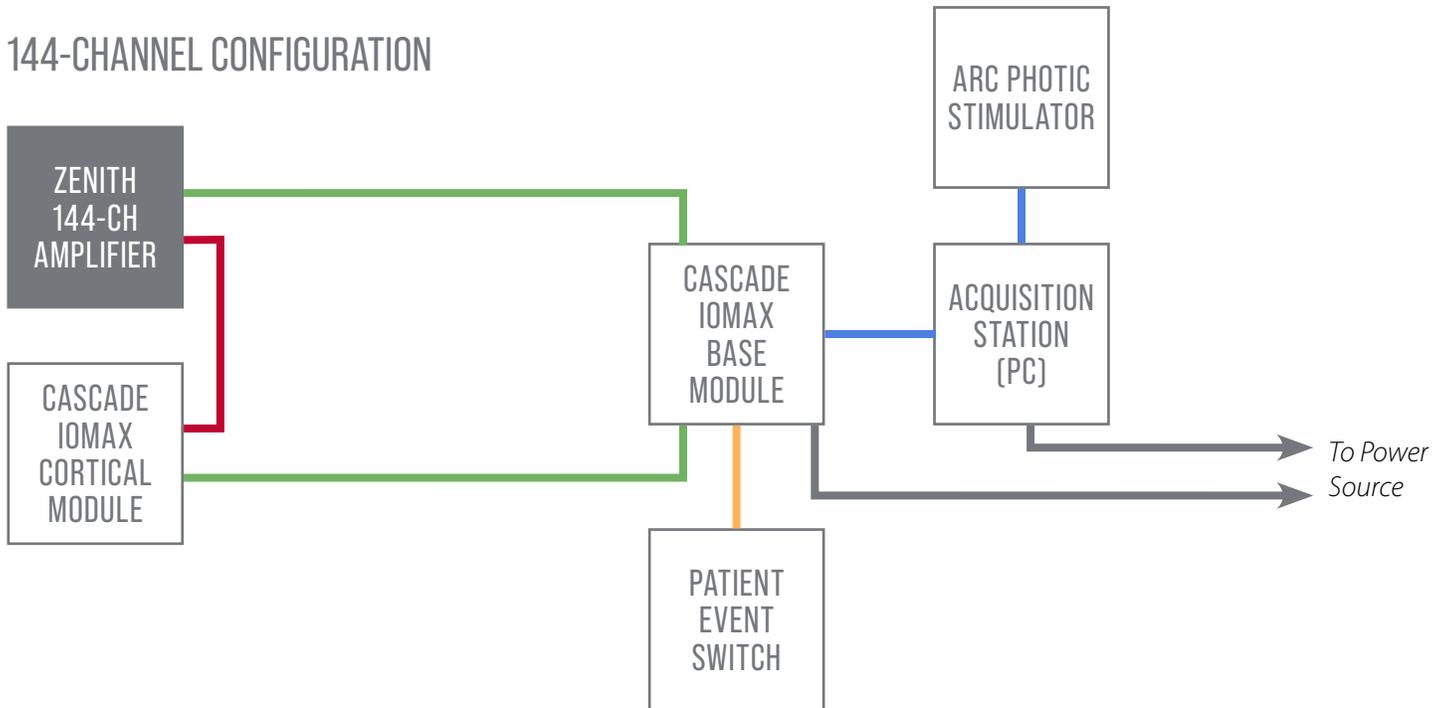
288-CHANNEL CONFIGURATION
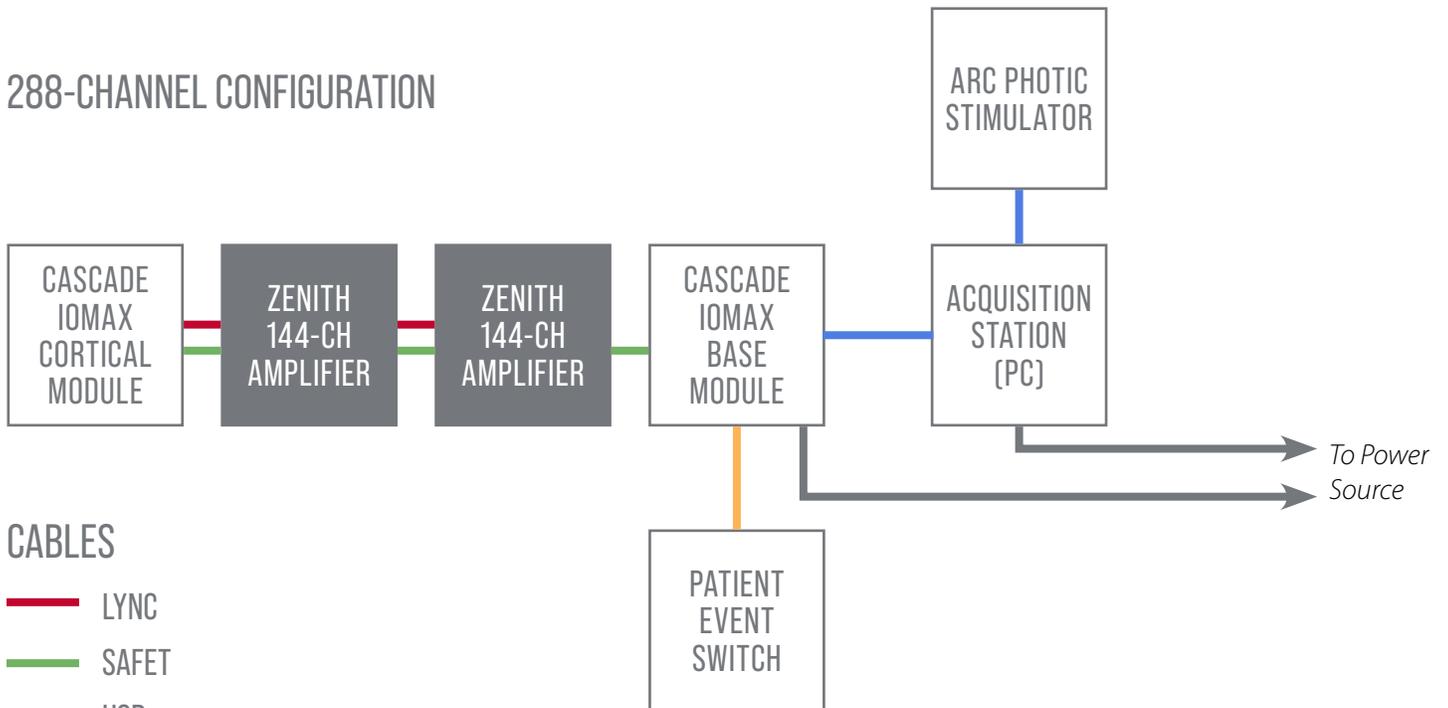
CABLES

- —— LYNC
- —— SAFET
- —— USB
- —— BUILT-IN
- —— POWER

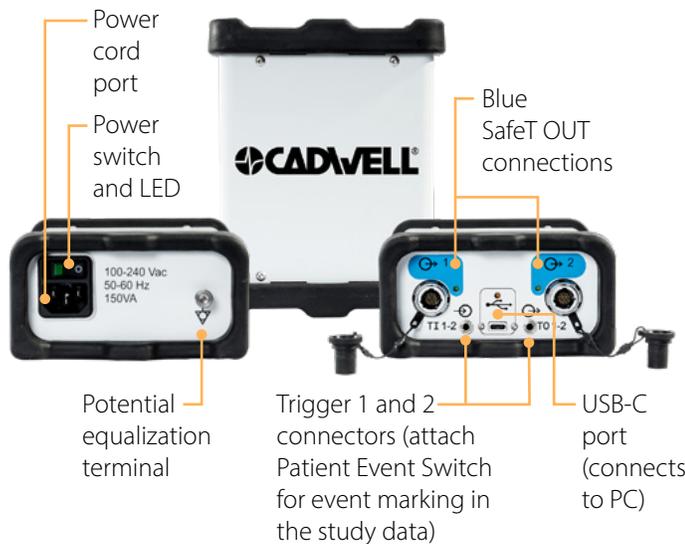# ARC ZENITH COMPONENTS AND ACCESSORIES

Zenith Amplifiers

Cascade IOMAX Base Module

A power cord and USB 2.0 A-C cable connect to the Cascade IOMAX Base Module for power and communication between the Arc Zenith Amplifier and PC.

Power cord port

Power switch and LED

Blue SafeT OUT connections

Potential equalization terminal

Trigger 1 and 2 connectors (attach Patient Event Switch for event marking in the study data)

USB-C port (connects to PC)

Cascade IOMAX Base Module

ARC ZENITH EEG SYSTEM KITS

Cadwell's Arc Zenith system consists of:

- The hardware components of a Zenith kit
- Software that allows a user to acquire, store, transmit, view, report, and print data
- Host electronic device (typically a PC) capable of running software and interfacing with the acquisition devices

Zenith 144 Channels Part No. 9600730	Zenith 288 Channels Part No. 9600731		Component Part No.
Qty		Components	
1	2	Arc Zenith 144-ch Amplifier	190307-200
1		Cascade IOMAX Base Module	190291-200
1		Base Module Power Cord, Hospital Grade, 15 ft (4.5 m)	286079-000
1		USB 2.0 A-C Cable 6 ft (1.8 m)	286113-000
2	4	Rail Mounting Hangers (for Arc Zenith)	339100-000
2	4	Insulated Rail Mounting Hangers (for Cortical Module)	199339-200
2		72-channel Zenith Impedance Test Array	199300-200
1		Arc Zenith User Guide	100872-639
1		Arc Highlight View Software License	369045-450
1		Arc Satellite View Software License	369045-453

ZENECT CONNECTION SYSTEM

IMPROVE OPERATIONAL WORKFLOW AND CLINICAL EFFICIENCY

Cadwell's Zenect® adaptors are patented, smart ID mass electrode magnetic connectors for high channel count intracranial EEG. These unique connector blocks simplify the setup and connection of grid, strip, and depth electrodes. Once programmed and mapped to a specific electrode set, each Zenect connector can be plugged in anywhere on any Zenith amplifier. The system will recognize which electrode set it is, even if plugged in upside down. Combining Zenect adaptors with automatic montage building can save you time and reduce human error.

ZENECT TOUCH-PROOF ADAPTORS

Connect touch-proof leads to Zenect Touch-proof Adaptors to streamline setup before or during surgery and easily disconnect the patient from the Zenith for transport or imaging.

Products	Qty, Type	Part No.
Zenect Touch-proof Adaptor	1x 8-input Adaptor	199297-200
	1x 12-input Adaptor	199298-200
	1x 16-input Adaptor	199299-200
144-ch Zenect Touch-proof Adaptor Kit	4x 8-Input Adaptors, 10x 12-Input Adaptors, 8x 16-Input Adaptors	9600717
288-ch Zenect Touch-proof Adaptor Kit	8x 8-Input Adaptors, 20x 12-Input Adaptors, 16x 16-Input Adaptors	9600718

Lync Cable

SafeT® Cable

| C-Clamp | Rail Mounting Hanger (for Arc Zenith) | Insulated Rail Mounting Hanger (for Cortical Module) |

CABLES

Choose length depending on location of the Cascade® IOMAX Cortical Module relative to the Zenith amplifier (must be < 2 m away).

The Lync cable provides connects Zenith amplifier to Cortical Module for stimulation, patient ground, and global common reference.

SafeT® cables provide data, sync, and power; connect IOMAX Cortical Module to the Base Module and/or Zenith amplifiers.

Item	Qty	Length	Part No.
Lync Cable (yellow to red), choose length	1	1.5 ft (0.5 m)	362070-000-005
	1	6.5 ft (2 m)	362070-000-020
SafeT® Cable (blue to green), choose quantity and length	1 (for 144-ch) 2 (for 288-ch)	1.5 ft (0.5 m)	362058-000-005
		3 ft (1.0 m)	362058-000-010
		10 ft (3 m)	362058-000-030

ZENITH/IOMAX CLAMP AND MOUNT ACCESSORIES

Choose from multiple clamp and mount options to mount your Arc Zenith/Cascade IOMAX devices for your preferred configuration setup.

Product	Part No.
C-Clamp IV Pole Mount	190297-200
Rail Mounting Hanger (for Arc Zenith)	339100-000
Insulated Rail Mounting Hanger (for Cortical Module)	199339-200

ARC PHOTIC STIMULATOR

The Arc Photic Stimulator has a flash rate of 1-60 Hz and a pulse width of 10 ms. Its USB cable comes in multiple length options and connects the photic to the computer.

Products	Part No.
Arc Photic Stimulator	190289-200
Products	Part No.
Photic 3.0 USB Cable, 10 ft (3 m)	286129-200
Photic 3.0 USB Cable, 25 ft (7.6 m)	286130-200

*Hand Control,
USB with Switch*

Patient Event Switch

ZENITH BUTTON/SWITCH ACCESSORIES

Select from multiple button/switch options to improve efficiency in your EEG studies.

Products	Part No.
Hand Control, USB cord w/ Switch	291259-000
Patient Event Switch, 10 ft (3 m)	199244-200-010
Patient Event Switch, 25 ft (7.6 m)	199244-200-025

ZENITH IMPEDANCE TEST ARRAY

72-channel Impedance Test Array fixture used with the Arc Zenith amplifier.

Products	Part No.
Zenith Impedance Test Array	199300-200
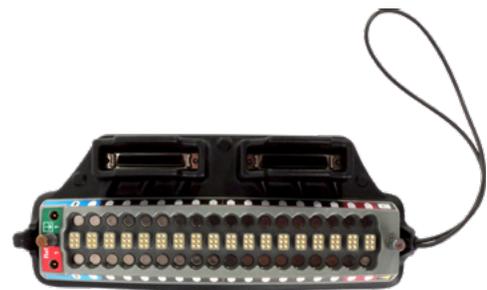
ARC ZENITH RESEARCH ADAPTOR MODULE

The Arc Zenith Research Adaptor module allows for side-by-side comparison of analog signals in Arc software and any device which connects to the 50 pin SCSI connectors. Contact Cadwell® for pin out information and further details.

Product s	Part No.
Arc Zenith Research Adaptor Module	199309-200
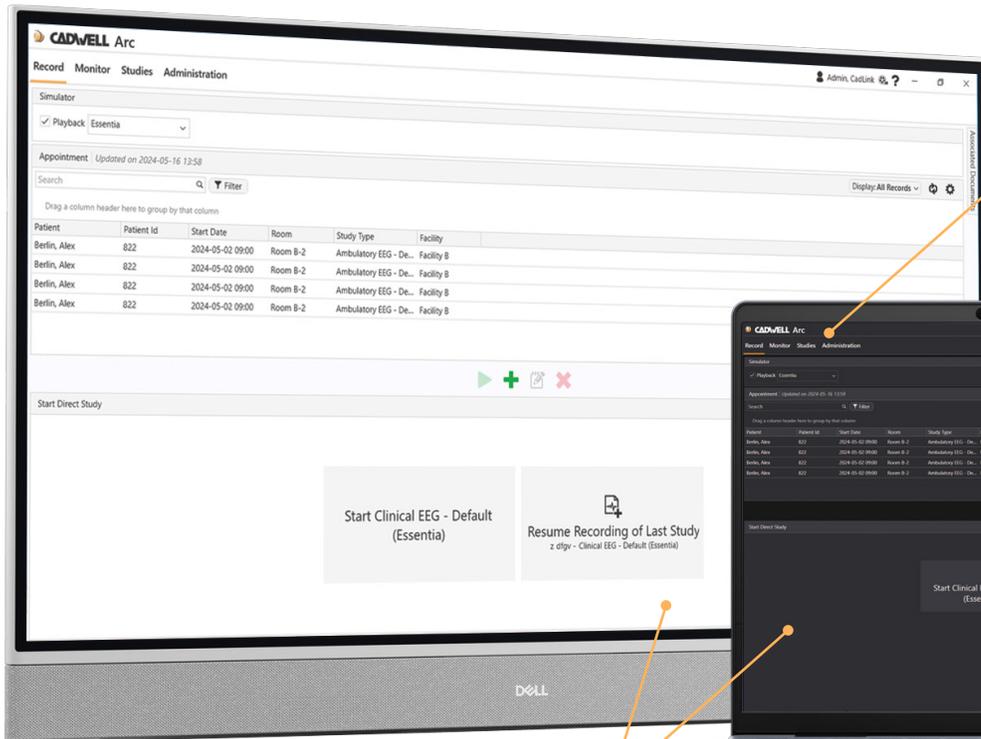
Record, Monitor, Study, and Admin tabs give you quick access to specific settings, features, and functionality
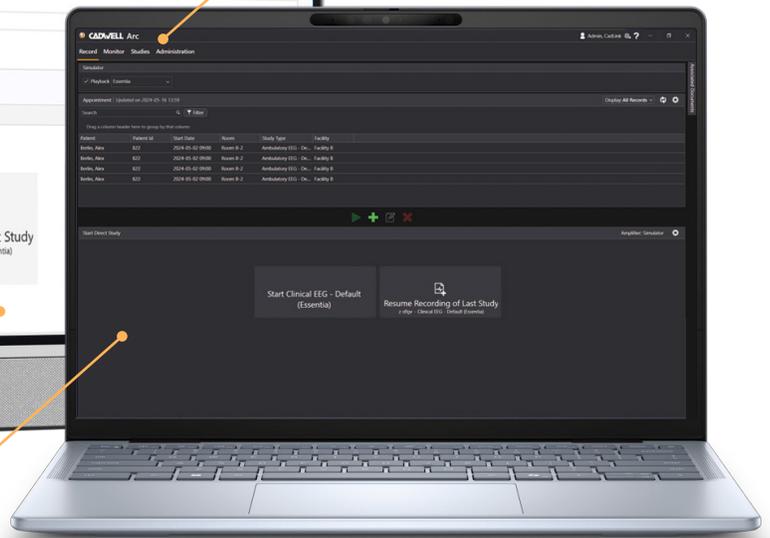
User-friendly interface with updated dark and light theme options
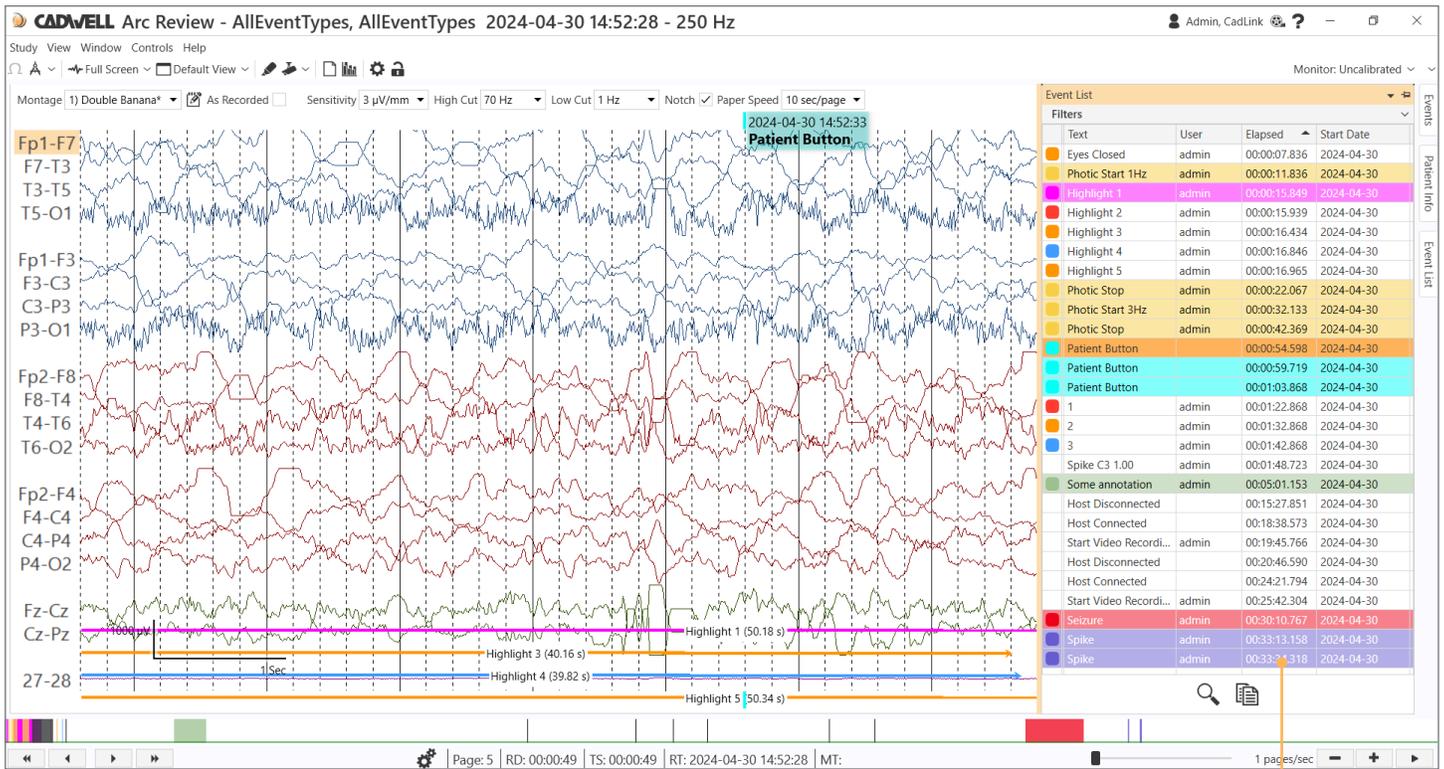
ARC EEG SOFTWARE

Cadwell's Arc EEG software brings you a comprehensive EEG solution for routine clinical, ambulatory, ICU, NICU, long-term, and epilepsy monitoring.

Featuring a customizable interface, streamlined assessment tools, and a robust report generator, Arc software empowers you with flexible features to support the needs of your patients and your clinical environment. Arc EEG software is regularly updated, and software features may not be available in all markets. Please see Arc Release Notes (Part No. 369045-810) for the most current information.

Arc EEG software seamlessly integrates with Cadwell's full range of Arc EEG hardware solutions— Arc Apollo+, Arc Voyager, Arc Essentia, and Arc Zenith—and can be configured with a variety of laptop, desktop, and tablet setups.

The Arc Review Window displays color-coded event types to help easily track various events during a study, including seizures, wake, and sleep

WITH ARC EEG SOFTWARE:

- **Integrate multiple video and audio feeds.** Set up multiple cameras (two or more) in diverse locations and at various angles to seamlessly capture multiple video and audio feeds. Utilize high resolution cameras for critical, detailed analyses, or conserve bandwidth and data storage capacity with lower resolution options

- **Focus on critical details.** Intuitive software controls enable you to easily pinpoint a region of interest in a video recording with enhanced zoom functionality, capture frame-by-frame changes in low-light environments, switch cameras on the fly, and easily add images to reports

- **Enable wireless EEG.** Enable Wi-Fi connectivity for Arc Apollo+ with Arc 3.1 and higher software releases

- **Efficiently review EEG data.** Review and monitor live data concurrently, customize your display to focus on specific parameters, auto-shade reviewed pages, export highlights, and analyze EEG data frequency with Satellite View and automated FFT measurement tools. Monitor trending with Arc Synopsis® Digital Analysis over time

- **Experience video file size reductions.** Arc Q-Video can reduce video file sizes up to 50%, enhancing network performance and reducing the burden on IT systems.

KEY FEATURES IN ARC EEG

WIRELESS EEG

- Arc EEG provides wireless support of the Apollo+ Recorder and Amplifier. EEG data will stream wirelessly from the Apollo+ Recorder to the PC when the USB cable is disconnected (requires a license)
- If a patient leaves the wireless range, data will continue to store on the Apollo+ Recorder. When the signal strength improves, wireless transfer will automatically resume, and interrupted data is backfilled
- No user interaction is required for seamless transitions between wired (USB) and wireless (Wi-Fi)

SETUP

- Start a study with a single click, enter patient data later
- Customize patient information fields and user-specific study types, views, montages, windows, displays, hot keys, and event buttons
- Customize user settings
- Support rapid electrode selections in the montage editor
- Create custom study types and specialized Laplacian montages
- Customize screen calibration to ensure appropriate display of EEG data regardless of monitor, and align and superimpose traces
- Add and remove trace windows and superimpose traces to compare waveforms
- Choose between Arc Synopsis® or Persyst® for digital analysis
- Citrix Ready and Windows 11 compatible

MONITORING

- Install multiple cameras (two or more) available in five resolutions to capture multiple video and audio feeds
- Utilize pan-tilt-zoom capabilities and new point-and-click camera controls with enhanced zoom functionality to easily identify regions of interest within recordings
- Zoom out instantly with a single click for broader perspectives
- Seamlessly switch users during recordings to maintain audit trails without interruptions
- Control the acquisition PC remotely; credentialed users can initiate impedance checks, stop data acquisition, and adjust camera settings
- Improve care and capture important information with synchronized Q-Video to see two views of the patient with one camera, detect subtle movements with accented colors so you don't miss seizures or abnormal movements, and add video screen capture and trace images to a report
- Integrate state-of-the-art Room Automation for customizable alert relay, control room hardware (lights, TV, etc.), and connect to third-party systems
- Focus on critical details with Cadwell's proprietary Highlight Motion feature, highlighting frame-to-frame changes in recordings during studies. Toggle Highlight Motion on or off during recording or review for precise identification of movements like hand tremors underneath a blanket
- Access Satellite View during live studies to see a bird's eye view of Trace Data over an extended period of time, allowing you to review multiple pages of data simultaneously in one window

Utilize the calendar picker to easily select a date/date range to view recorded studies

Filter all of the columns in the studies list to look at data in different ways during research studies

Customize the patient information fields you want to view in your study list using the Column Chooser

REVIEW

- Review and monitor live data simultaneously

- Customize display settings to focus on specific parameters, auto-shade reviewed pages, and export highlights

- Quickly analyze EEG data frequency with Satellite View and automated FFT measurement tools

- Monitor trending over time with Synopsis Digital Analysis

- Access a calendar view to review studies conducted on a specific date or within a date range

- Customize report templates and efficiently create narratives in CadReport

- Automatically mark reviewed traces and anonymize exported studies

- Access rich data and functionality in real-time and in post-processing with next-generation Application Programming Interface (API)

- Anonymize studies for research and teaching purposes, and export data with a universally compatible viewer

- Efficiently search and locate EEG records with enhanced filtering and search capabilities

- Customize the patient information fields you want to view in your study list using the Column Chooser

- Import and review Easy® III EEG records

Technologist in EMU monitorist room with Arc Sentinel and Arc Synopsis®, and in the background, a wall of monitors display additional studies.

REVIEW TOOLS

REVIEW ROOM

Monitor and control software from a physician review room, a monitorist room, a nursing station, or remotely.

- Any patient can be reviewed on any computer
- Multiple patients and cameras can be reviewed at the same computer
- When monitoring individual patients with live video recording, remotely control camera functions
- Add events
- Use VoIP to communicate with the patient room
- Ongoing as well as previous recordings can be reviewed at the same time
- With Arc Sentinel, get automatic alerts, including seizure activity, electrode faults, and patient events, and track reaction time to alerts. Choose to see EEG or EEG Trends

Products	Part No.
Arc Q-Video Software License (requires camera)	369045-452
Arc Remote Control License (one per acquisition PC. Includes Radmin license)	369045-455
Arc Sentinel Monitoring License	369045-460
Room Automation Controller License	369045-462
Room Automation Controller	198279-000
Room Automation Reset Switch Kit	197331-200

ROOM AUTOMATION

Arc Room Automation connects customizable events in Arc software to the physical infrastructure of a patient's room. Customize the automatic response to patient events - such as patient button press, Persyst algorithm detection, Arc Synopsis detection, or annotating a seizure from the monitoring room- including:

- Notification to nurse call system
- Room lights switch to on
- Television switch to off
- Arc Sentinel alerts give visual and auditory cues
- Patient room hallway light turn on
- SMS message sent to responsible medical providers
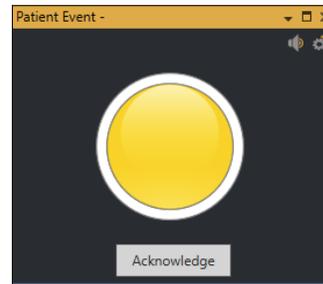
Left: Arc software gives visual and auditory cues when a patient event is triggered.

Below: Customize the room automation triggers and responses in the Arc software.

Room Automation Controller

Room Automation Reset Switch

ARC SENTINEL

Remotely monitor multiple patients from one central computer.

Arc Sentinel lets you monitor multiple patients from one computer with remote camera control, live video feed switching, viewing and reviewing EEG and video, viewing Arc Synopsis trends, entering events, and receive audible and visual alerts. Arc Sentinel is ideal for nurses' stations and control rooms.
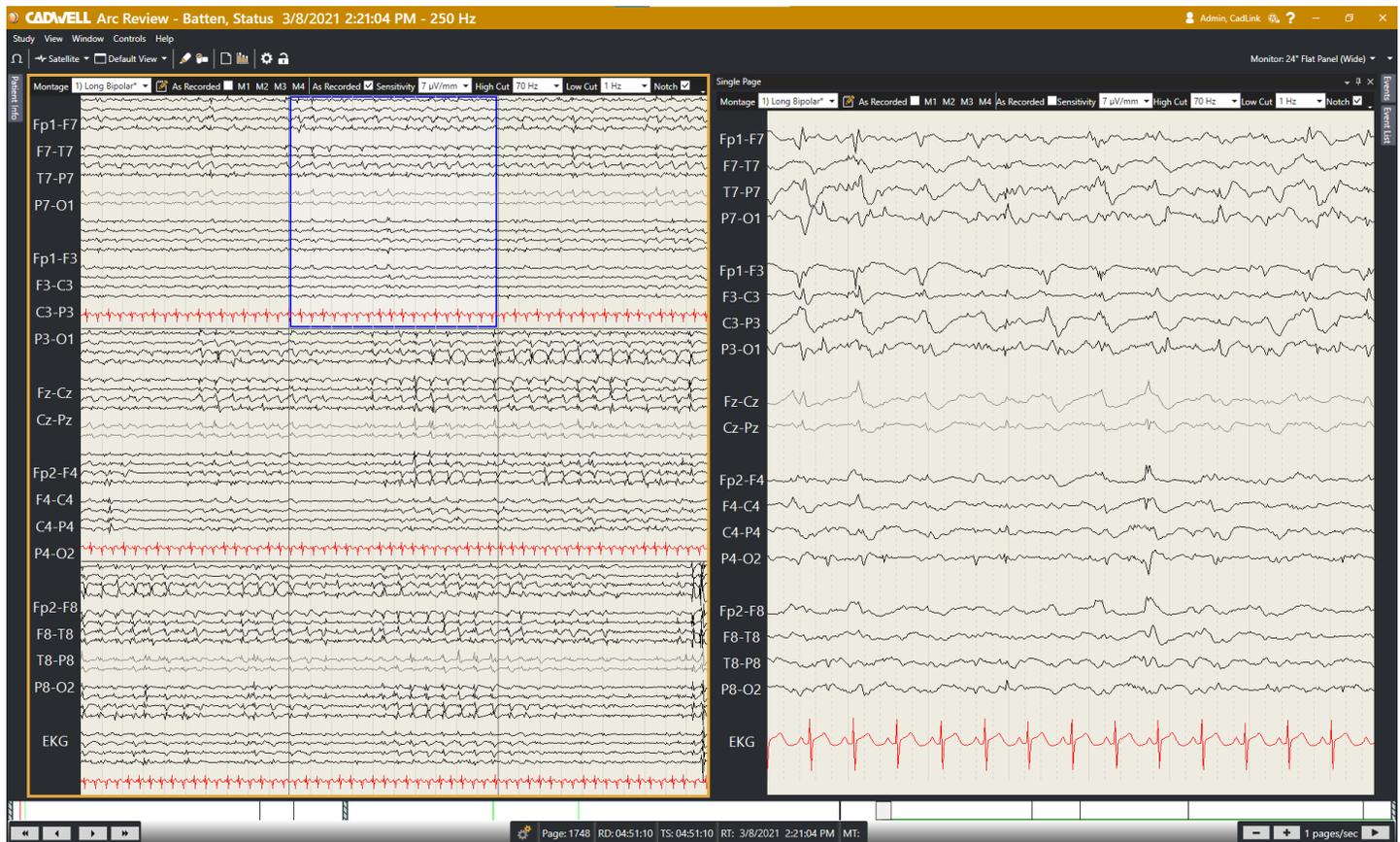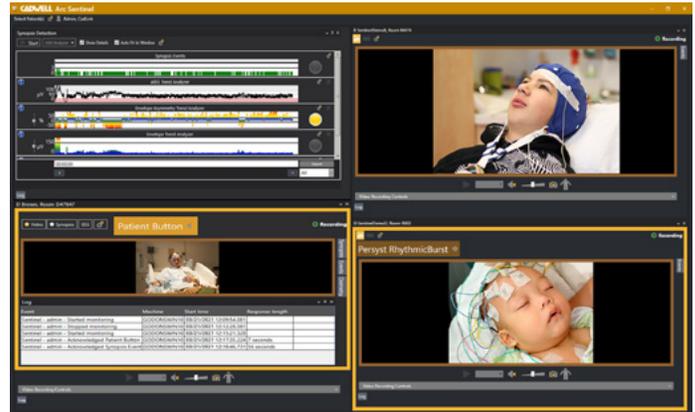
Satellite View: View up to 100 pages on one screen. Some customers turn an external monitor into portrait mode for a different vantage of data.

PRODUCT AVAILABILITY VARIES BY MARKET.

EVENT DETECTION AND TRENDING

ARC SYNOPSIS

Analyze EEG data patterns and display trend information customized to each user's requirements with Arc Synopsis® Trends and Detection. Identify, filter, and set parameters for aEEG, Alpha:Delta, Band Power, Amplitude Asymmetry, Envelope, Spectrogram, and Spectral Entropy.

Trends Package

- Display customized trends based on each patient's unique requirements
- Modify trends on the fly from any Arc PC
- Save complete trends setups

Detection Package

- Includes Trends Package
- Detection Window enables adjustable threshold settings for ease of event identification and marking. Seizure View can consolidate files automatically to show only marked data.
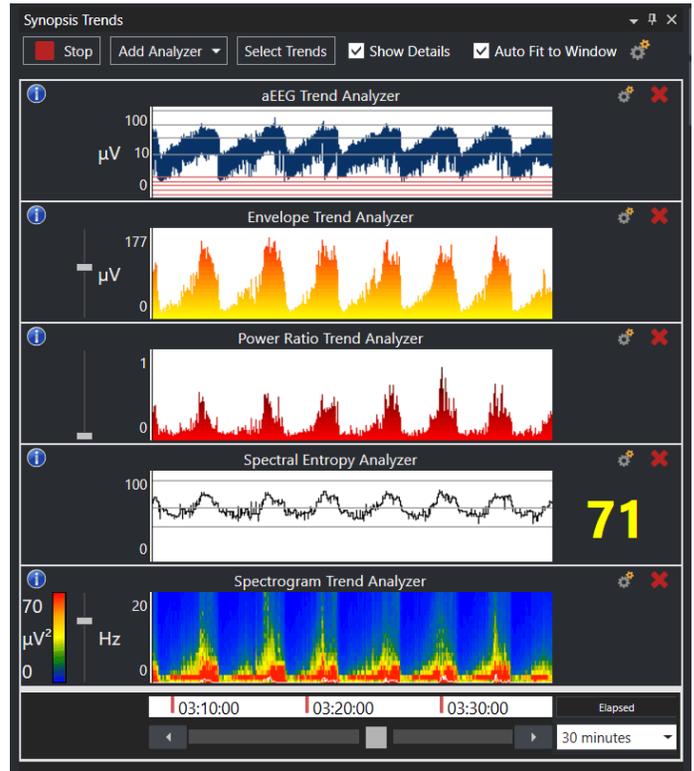
Synopsis Licenses	Part No.
Arc Synopsis Trends License	369045-458
Arc Synopsis Detection License	369045-459

PERSYST EEG

Arc software is compatible with Persyst®.
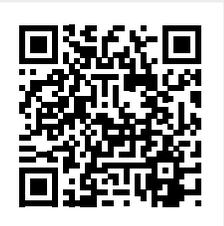
VIEW THE PERSYST PRODUCT MATRIX FOR ARC EEG
https://www.persyst.com/persyst-product-matrix/

LEARN MORE ABOUT PERSYST PRIME™
https://www.persyst.com/products/persyst-prime/

Prime Support after 1-year warranty is charged annually.

PERSYST EEG

Each part number is per license, even if a quantity discount (Qty $) is indicated.

Persyst Licenses	Qty $	Item	Persyst Part No.	Item	Persyst Prime™ Part No.	Item	Persyst Reinstatement Part No.
Advanced Review. New advanced review license installed on a computer. In addition to features in clinical review, allows the user to post-process trending, seizure detection, and spike analysis.	-	AERI	295047-000	AERS	295053-000	AERJ	295047-000-UPG
Advanced Review for Server. New advanced review license installed on a server. Note this is very resource heavy. Will need to review server requirements to be able to run.	-	AERC	295048-000	AERD	295051-000	AERE	295048-000-UPG
Clinical Review CPR. New review license installed on computers.	1-4	CPRI	295038-000	CPRS	295073-000	CPRG	295069-000
	5-9	CPRA	295038-000-005	CPRF	295068-000	CPRK	295070-000
	10+	CPRB	295038-000-010	CPRT	295074-000	CPRL	295071-000
Clinical Review for CPR Server. New clinical review license installed on a server (often Citrix).	-	CPRC	295042-000	CPRD	295067-000	CPRE	295042-000-UPG
Clinical Review Site License. Clinical review site license (install on any PC at the site). Supports about 40 licenses.	-	CPRM	295072-000	CPRU	295075-000	CPRJ	295038-000-UPG
Continuous / Long-Term Acquisition CPA. New License for live spike, seizure, and trending installed on an EEG system.	1-4	CPAI	295039-000	CPAS	295064-000	CPAJ	295039-000-UPG
	5-9	CPAA	295039-000-005	CPAF	295061-000	CPAK	295062-000
	10-19	CPAB	295039-000-010	CPAT	295065-000	CPAL	295063-000
	20+	CPAC	295060-000	CPAU	295066-000	CPAM	295082-000
Conversion of CR to AR for Server. Upgrade Continuous Review to Advanced Review for Server. Note this is very resource heavy. Will need to review server requirements to be able to run.	-	AERF	295050-000	-	-	-	-
Conversion of CR to AR. Upgrade clinical review license for computer to advanced review.	-	AERP	295052-000	AERU	295054-000	-	-
Conversion of AR to AR for Research. Upgrade advanced review license to a research license.	-	ARRP	295058-000	-	-	-	-
Persyst Research. Research license for a computer.	-	ARRI	295056-000	ARRS	295059-000	ARRJ	295057-000
Multi Patient Monitor. Multi patient monitoring software.	-	MPMI	295076-000	MPMS	295078-000	MPMJ	295077-000
Spike & Seizure Review. Spike and Seizure review license installed on a PC. Usually ambulatory post collection analysis.	-	AMBI	295040-000	AMBS	295055-000	AMBJ	295040-000-UPG

| Persyst Training and Subscriptions	Item	Part No.
On-site Training. Persyst on-site training. Strongly recommended for new installations. Sold per day.	OST	295079-000
Persyst ESI (Subscription). EEG Electrical Source Imaging (ESI) uses EEG data co-registered with MRI to localize the source of scalp EEG signals.	PESI	295080-000
Persyst Mobile (Subscription). Persyst Mobile provides access to patient Trends, EEG and Video on iOS and Android mobile devices and web browsers.	PMRP	295081-000

ENHANCED INTRACRANIAL WORKFLOW

- Auto-generate montages and streamline input layout with auto input mapping

- Select and place your electrode layout from a laptop in the OR

- Use either graphical or table interface, and automatically generate montages from your electrode sets

- Save setup and configuration time with preset lists of electrodes by type, size, and spacing

- Select any input as ground and any other input as the recording reference on any amplifier

- All intracranial case settings and montages follow the patient record
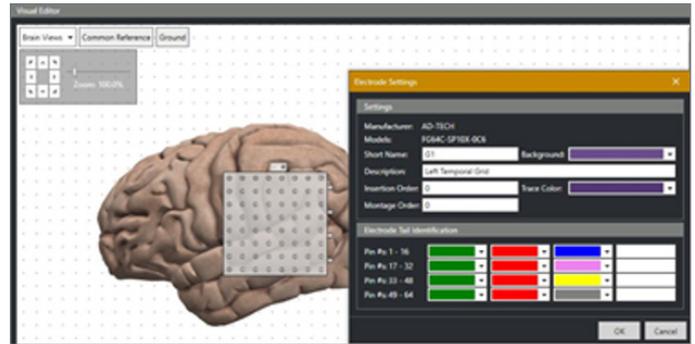
PRE-SURGICAL PLANNING

Pre-schedule your study with all of your patient information, including setup of the grid, strip and depth electrodes that you plan to use. You can adjust as needed, if things change in the OR.
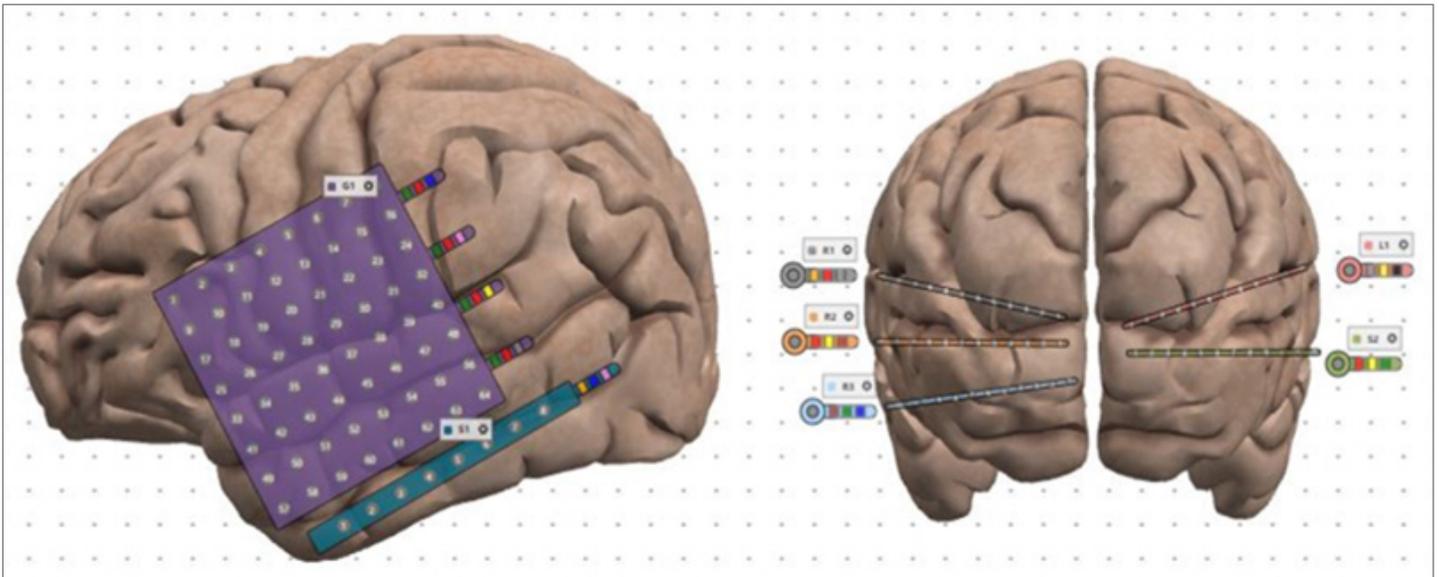

ELECTRODE LAYOUT

- Place subdural and depth electrodes on a graphical image, position and rotate them

- Automatically document electrode types, manufacturer, and specifications

- Customize electrode names, positions, and tail identification information

- Create unique color coding for electrode set and the waveforms for those electrodes

- Once complete, you have the perfect reference information for where all of your electrodes are, and how to easily identify them

- Automated Montage Creation to save time and reduce errors

AUTOMATED MONTAGES

Once you create the electrode layout, and go to the Montage Editor, several montages are automatically generated:

- All channels bipolar
- All channels referential
- Mixed montages with bipolar and referential
- And more
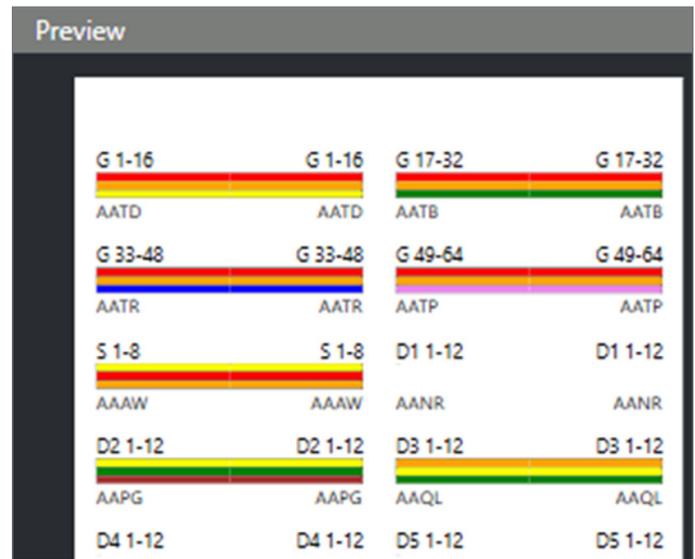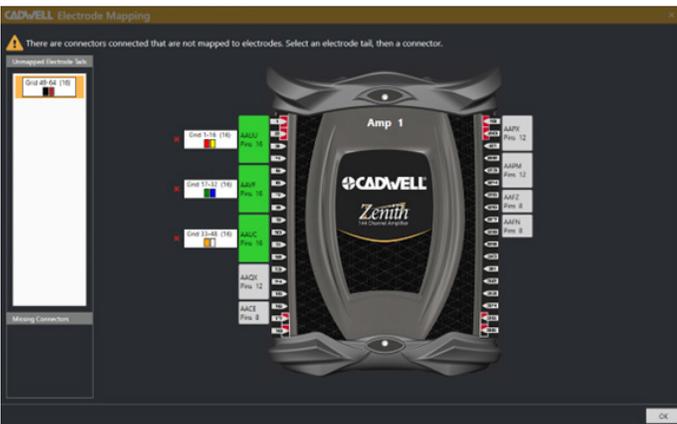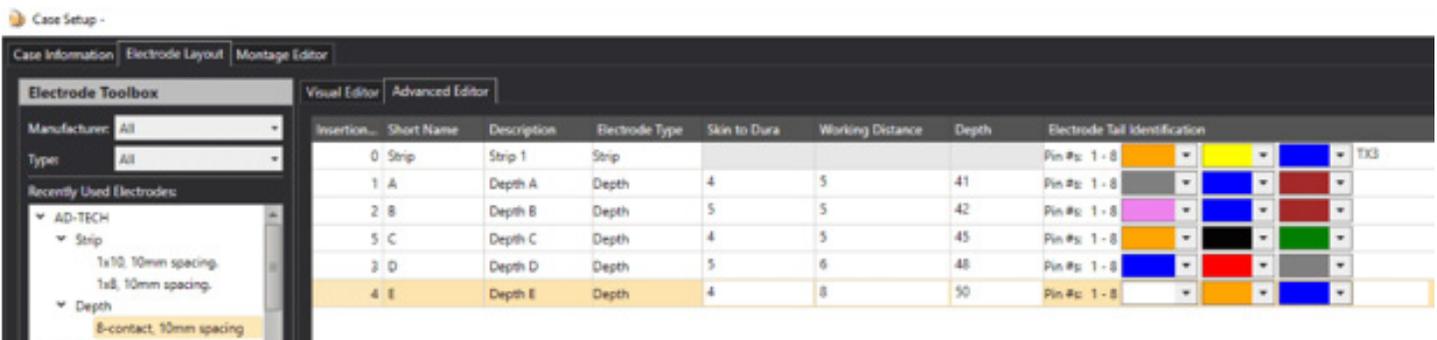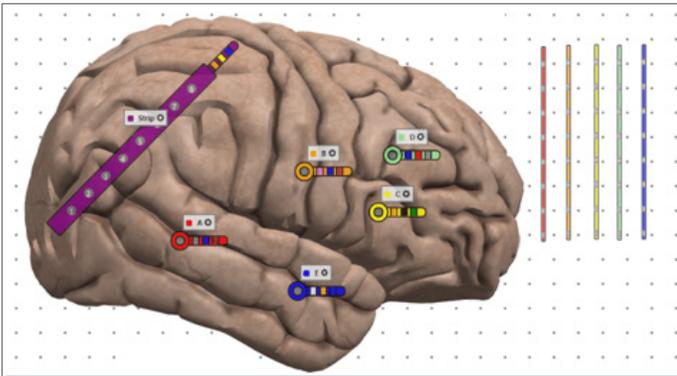
ELECTRODE ADAPTOR MAPPING

Zenect magnetic mass electrode connectors are designed to reduce the complexity of the electrode array connections and minimize input errors.

Each Zenect has an ID chip that is assigned to an electrode array from the patient. Once assigned, no matter where the contacts are placed into the amplifier(s), they will display the correct waveforms.

PRINT TAIL LABELS

Print labels with color coding of the electrode set tails for the electrode cables that plug into the amplifier.

CORTICAL STIMULATION

CONTROL CORTICAL STIMULATION MAPPING, ELECTRODE SELECTION, AND STIMULI THROUGH ARC SOFTWARE

- For functional mapping, use the software-controlled internal switch matrix for stimulation of any contact
- Customize cortical SSEP stimulation parameters and create graphs and tables of functional and afterdischarge responses
- Use Short Pulse Stimulation (SPS) for interruption of afterdischarges during cortical stimulation
- Document cortical stimulation, functional responses, and afterdischarge responses
- Create graphical images and tables for functional response and afterdischarge mapping with automated integration into reports
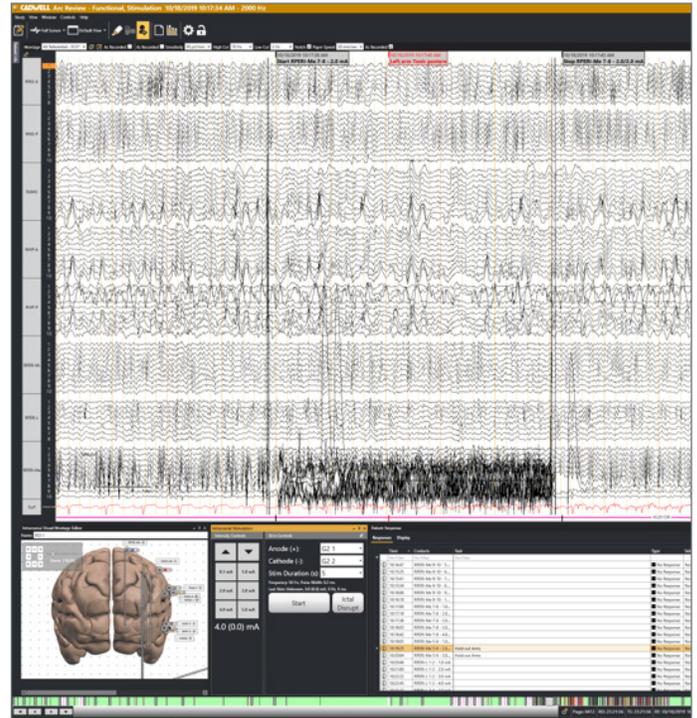
Above: High channel count EEG during functional stimulation.

Below: Traces, Intracranial Visual Montage Editor, Intracranial Stimulation, and Patient Response windows.

FUNCTIONAL TESTING

Software control of cortical stimulation offers you a full range of options for stimulation, including intensity, mode, polarity, frequency, pulse width, duration, preset intensity defaults, and short pulse stimulation.

Patient response documentation can be generated into the report.
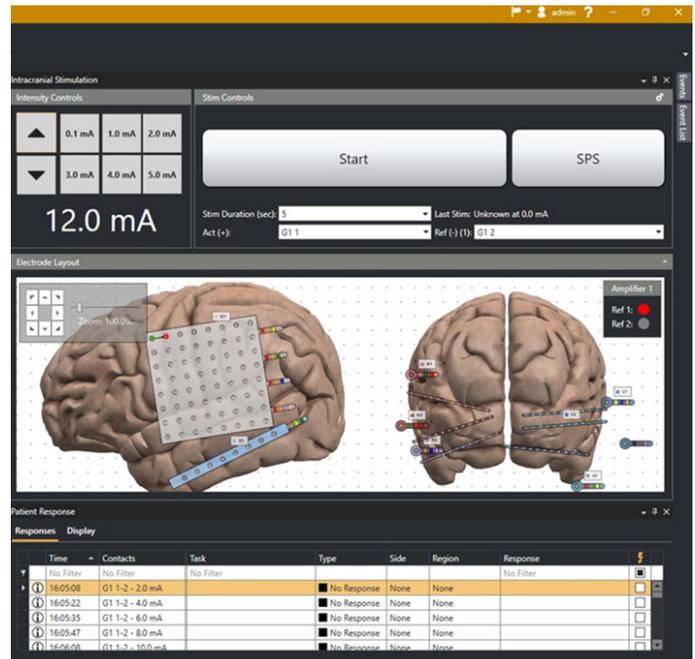
Intracranial Stimulation with Intensity Controls, Stim Controls, Electrode Layout, and Patient Response windows.
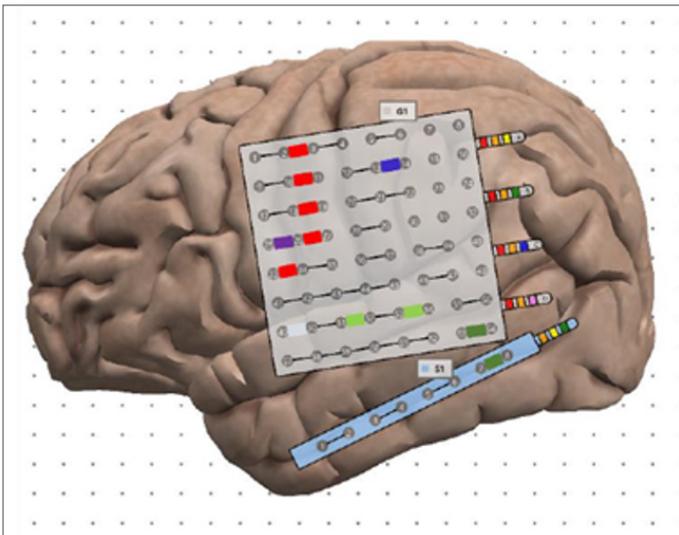
Above: Functional Response shows a color-coded graphic display.

Right: Table of all patient responses during intracranial stimulation.

PRODUCT AVAILABILITY VARIES BY MARKET.

CADLINK DATA MANAGEMENT

CadLink® is a secure, enterprise-level patient information and database management system for Cadwell's Arc EEG, Cascade IONM, and Sierra EMG/NCS/EP/US software. Designed for easy setup and operation in either private practice or large neurodiagnostic laboratory settings, CadLink is Citrix-compatible and offers full patient bi-directional HL7 integration with Enterprise EMR.

CadLink organizes, manages, and secures your patient files and customized user settings. CadLink is designed to allow users to review data from home, office, lab, or anywhere an Internet connection can be made. It is easy to set up and operate, and is scalable from private practice to large neurodiagnostic laboratory settings.

CADLINK SERVER AND CLIENTS

Single CadLink Clients	Part No.
CadLink Client Licenses = 1 CadLink Server Software + CadLink Server License + Installation Instructions	9730110
CadLink Client License with Auto-Archive	9730007
CadLink Scheduler	369044-454
Package CadLink Clients	
10-pack CadLink Client Licenses with Auto-Archive	9730008

CADLINK HL7 INTEGRATION

EMR integration allows Receipt (patient demographics) and Send (reports) data.

Product	Part No.
HL7 Inbound	369044-453-IN
HL7 Outbound	369044-453-OUT
HL7 Inbound/Outbound	369044-453
CadLink HL7 Test Environment Interface	9600805

CADLINK LITE

Thin Client option: no local databases on clients.

Product	Part No.
CadLink Lite Server Software	9730111
CadLink Lite Client license (10 clients max)	369044-456
CadLink Lite Auto-Archive	369044-452
CadLink Scheduler	369044-454
CadLink HL7 Lite	369044-453-LTE
Upgrade CadLink Lite to full CadLink	8002309
Upgrade CadLink HL7 Lite to full HL7	8002311

CADLINK SOFTWARE MAINTENANCE & SUPPORT

CadCare® Customer Support Programs include a CadLink Software Support and Maintenance Plan. Discounts available with Level Three and Four Extended Service Plans.

Product	Service Contract
CadLink Software Maintenance and Support Plan	8001066
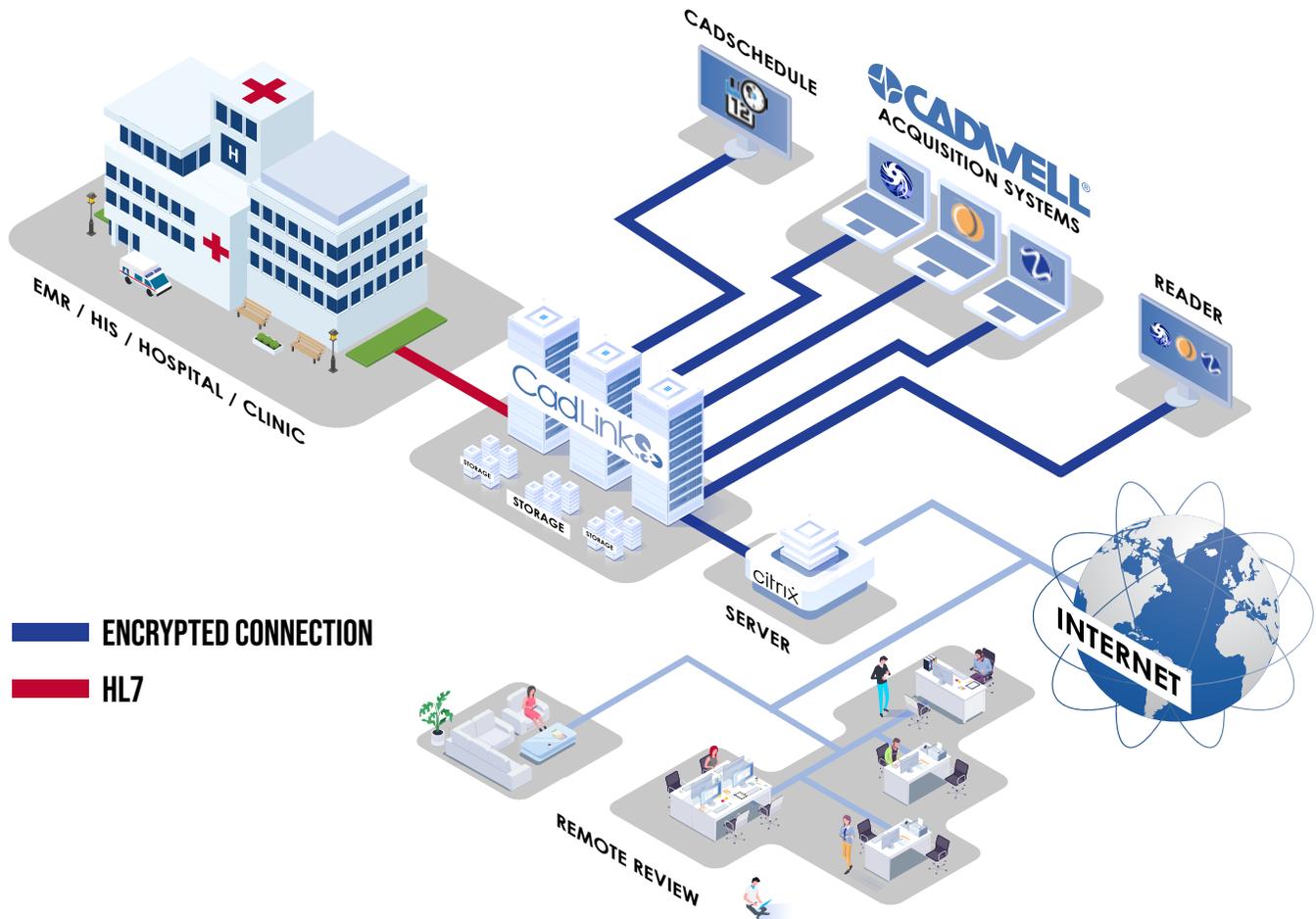
CADLINK FEATURES

- **Secure all data and communication.** Encrypt the transfer and storage of patient data. Point-to-point communication with encrypted streaming data ensures safe and efficient data transfer between acquisition and review, and to the CadLink Server. Separate, encrypted databases with no shared folders safeguard data. The optional Auto-Archive feature allows data to move to archive locations once the data meets custom parameters. Cloud Server compatible.

- **Ensure fail-safe data streaming.** Safeguard against network connection failures by temporarily saving data locally and automatically streaming trace and video data from recording stations to the centralized storage on the CadLink Server.

- **Customize user settings.** CadLink supports multiple users; each with their own test settings and report templates. All users can access their views and color preferences, even during live review.

- **Centrally manage setup and updates.** Manage CadLink Clients and settings from the CadLink Server. Update Clients independently of Cadwell® applications

- **Empower collaboration.** Access, review, and re-montage patient data from anywhere on the CadLink network, and document user involvement for HIPAA compliance. Supports Citrix, VMware, and SQL.

- **Enable remote live review.** Review multiple studies simultaneously from any CadLink Client via a local network, or Citrix Server. Remote reviewers can customize their own view settings.

- **Change users during a study**. Switch users in an open study and create an audit trail of user involvement (Ideal for long term monitoring or a patient transfer between users).

HIGH PERFORMANCE LAPTOP PC

Can be used with external monitor(s). Optional portable DVD drive available.

Products	Part No.
High Performance SSD Laptop, Microsoft Windows 11 software, USB 3.0 to Gigabit Ethernet Adaptor	9602116
USB C-A 4-Hub Adaptor	290178-000
Laptop Security Cable	198168-000
Portable DVD Drive	291238-000

SMALL FORM FACTOR (SFF) PC

Use with a single monitor or the Dual Monitor Kit.

Products	Part No.
Small Form Factor SSD PC, Microsoft Windows 11 software, 2-Port Gigabit Ethernet Server Adaptor Card	9602134
Display Port cable 6 ft (1.8 m)	286116-000

MINI PC

For remote control.
Mini PC does not support dual monitors.

Products	Part No.
Mini PC for Arc includes Wireless Keyboard and Microsoft Office	9602148
Mini PC, Microsoft Windows 11 software, C14-C13 16 AWG Filtered Power Cord, 10 ft (3 m) HDMI Cable, 15 ft (4.5 m) HDMI-VGA Converter Cable	9602145
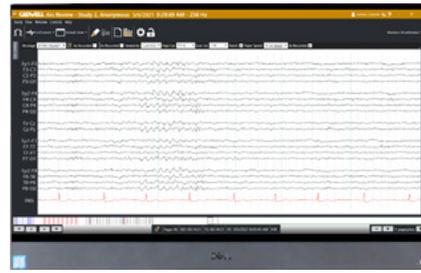
ALL-IN-ONE (AIO) PC

All-in-One PC with 24 in monitor. Requires no external monitor.

Products	Part No.
All-in-One 24 in PC, Microsoft Windows 11 software, USB 3.0 to Gigabit Ethernet Adaptor, Right-angle 1/8 in Mono Jack, DVD+R Record Media Disk	9602138

RUGGED TABLET PC

Products	Part No.
Rugged Tablet	291263-000
SIM Card	291264-000-SPR
Tablet Kickstand	290176-000
Tablet Handle	290175-000

Available computers may change. A laptop, tablet, or desktop PC is required for use to run Arc software. PCs may be purchased from Cadwell, or you may purchase your own PC that meets Cadwell's Minimum Computer Specifications (Part No. 308014-000). Installing Arc software on operating systems and computers that do not meet minimum computer specifications is not only considered unsafe, but will be unsupported by Cadwell and may void any equipment or software warranty.

PCS, MONITORS, AND COMPUTER ACCESSORIES
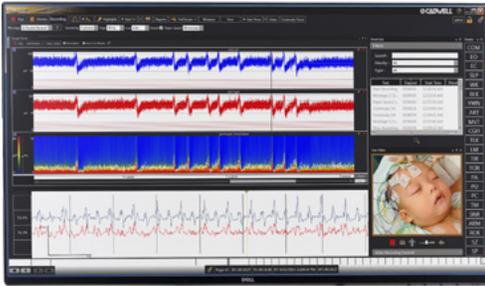
FLAT PANEL WIDESCREEN MONITOR

For use with Laptop or SFF Desktop PC.

Products	Part No.
24 in (60 cm) LCD Monitor (compatible with SB521A), 6 ft (1.8 m) Display Port Cable	9602009

DUAL MONITOR KIT FOR SFF PC
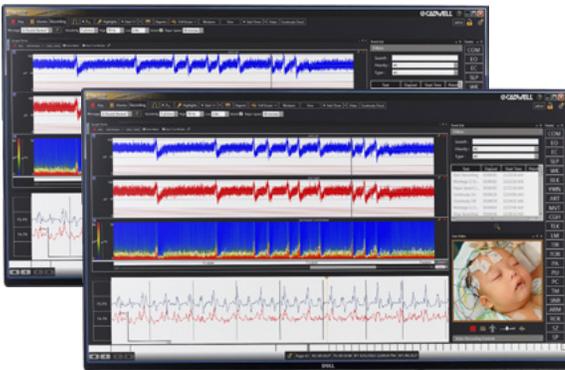
Two 24 in (60 cm) flat panel widescreen monitors.

Products	Part No.
2x 24 in (60 cm) LCD Monitors, 6 ft (1.8 m) Display Port Cable, 6 ft (1.8 m) Mini Display Port Cable	9602011

COMPUTER ACCESSORIES

Products	Notes	Part No.
USB Mouse		291161-000
Wireless Mouse		291202-000
Wireless Keyboard & Mouse		291214-000
USB C-A 4-Hub Adaptor		290178-000
Wireless Travel Router, AC750 Network	Choose one for ambulatory wireless	290180-000
Wireless Router, High End		290181-000
StarTech USB Ethernet Adaptor	Required for wireless EEG using a Rugged Tablet	286098-000
Micro USB Cable, 15 ft (4.5 m)	Recorder : Tablet	286138-000
USB Cable, 13 ft (3.9 m)	QVM Camera : Tablet	286139-000
Microsoft Office		295036-000

USB EXTENDER

The Icron USB extender supports Cadwell® EEG amplifiers in clinical scenarios where the PC is located away from the patient room. The Icron USB Extender Kit consists of LEX and REX units, and does not require any software setup, and is compatible with Cadwell's Arc Essentia Amplifier, Arc Apollo+ Recorder, Arc Photic Stimulator, USB Camera, USB Microphone, Pulse Oximeter, and the Arc Zenith Amplifier through the IOMAX base unit.

Products	Part No.
Icron USB Extender Kit with Power Supply	197339-200*
Icron USB Extender Wall Bracket Kit (Includes 2 Brackets and Mounting Hardware)	069002-000**
Power Supply, AC-DC, 24V 1.5A 36W	229058-000

*Wall brackets are not included in the USB Extender Kit (Part No. 197339-200).

** Two brackets are required to mount the LEX Unit, and two brackets are required to mount the REX Unit. Order two Icron USB Extender Wall Bracket Kits (Part No. 069002-000) to wall mount both units.

AUDIO AND VIDEO

Audio and video components enable users to link waveform activity with visual and auditory cues, helping to alert those remotely monitoring patient activity, which may lead to quicker responses and more effective intervention.

Arc software features integrated pan, tilt, and zoom control of auxiliary cameras, allows users to add tags to data sets, enables users to pinpoint the source of waveform activity by scrolling over that segment and observing the synchronized video, and switch between camera feeds on the fly during a study without affecting data acquisition. Cadwell® offers HD USB cameras, DSP cameras with built-in infrared, microphones with sound mixers or USB adaptors, and two-way intercom.

- See the Arc Apollo+ section for Q-Video Mobile 3 and Arc Voyager in-home camera options (pages 20-21)
- Camera hardware and accessories are frequently updated. Call Cadwell for the latest models.
- Customer is responsible for pulling all cables and installing any non-cart based cameras, prior to Cadwell installation of systems
- Cameras require Arc Q-Video Software License (part no. 369045-452)

AUDIO COMPONENTS

TWO-WAY AUDIO INTERCOM

A Two-Way Intercom can be used to communicate with the patient room from the nursing station. Choose the length of auxiliary audio cable in your system, and the accessory kit.

Product	Cable Length	Part No.
Two-Way Audio Intercom System	25 ft (7.6 m)	197248-200-025
	50 ft (15 m)	197248-200-050
	75 ft (22.8 m)	197248-200-075
	100 ft (30 m)	197248-200-100
	200 ft (60m)	197248-200-200
	300 ft (91 m)	197248-200-300
Intercom Accessory Kit 197249-200		
Shure Sound Audio Mixer and One-Way Microphone, Low Omni Direct	50 ft (15 m)	9600083
One-Way Microphone, Low Omni Direct (for Cart use)	10 ft (3 m)	291054-000

Shure Sound Audio Mixer and One-Way Microphone

AUDIO & VIDEO CABLING

Product	Cable Length	Part No.
10 Base T Cable	25 ft (7.6 m)	199136-200-025
	50 ft (15 m)	199136-200-050
	75 ft (22.8 m)	199136-200-075
	100 ft (30 m)	199136-200-100
	125 ft (38 m)	199136-200-125

VIDEO COMPONENTS

Product	Mount Type	Part No.
PTZ HD Camera/IR Illuminator Kit	Drop Ceiling Mount	9606015
	Ceiling Mount	9606013
	Wall Mount	9606007
Ceiling Tile, HD Camera, IR Illuminator	Embedded Ceiling	197333-200
	Flush Ceiling	197334-200
Ceiling Tile (if you already own camera/IR)	Embedded Ceiling	197335-200
Color Camera with built-in IR Illuminator	Arm Mount (Arm included, ISO recommended)	9606009
USB HD Webcam		198233-000
Flexible Arm for USB Camera 30 in (76 cm)		197261-200
Dazzle Video Converter (needed if you are using your own cameras)		290157-000

PTZ CAMERA

Pan-tilt-zoom IP cameras are IR sensitive, compatible with the Cadwell IR illuminator, and can be cart mounted or hardwired in a room. The IP Camera offers 1080P, and can be configured for lower resolutions to reduce file size on the stored video.

HD WEBCAM

Mount the HD Webcam on a flexible arm on a Fuzion Cart for easy access to video during routine EEG studies.

INFRARED (IR) ILLUMINATOR

The Raytec Infrared Illuminator is an 850 nm IR that provides 120-degree wide-angle diffusion of IR light to better illuminate an entire room with less hot spots.

POWER-OVER-ETHERNET (POE)

IP cameras and IR Illuminators use Power-Over-Ethernet (POE) 802.3AF and a dual port mid-span POE to supply power to both devices. Using a POE injector gives significant flexibility for placing power near or far from where the camera is installed.

CEILING TILES

Install the camera and Raytec IR in a 2 sq ft (60.96 sq cm) ceiling tile designed for easy installation in drop ceilings, primarily those with plenum space above the ceiling. The ceiling tile is constructed with several IR location options so that the tile can be assembled and orientated so the IR and camera do not interfere with each other. The end result is a clean, professional-looking camera installation.

Flush Ceiling Tile with PTZ HD Camera and IR Illuminator

Embedded Ceiling Tile with PTZ HD Camera and IR Illuminator

EEG CART SOLUTIONS

Cadwell® is committed to revolutionizing neurodiagnostic medicine and neuromonitoring for technologists, physicians, and ultimately the patients they help.

We understand that carts are key to neurodiagnostic workflow efficiency. Our cart and mount options are designed specifically for EEG environments, and are customizable to fit your needs. With sturdy, ergonomic designs and small footprints, our carts offer flexible positioning for Arc EEG solutions, electrodes and prep supplies, and are easy to move to provide a comfortable working experience.

A3 CART

The versatile A3 Cart is designed specifically for Arc EEG systems and accessories and helps to optimize space without sacrificing functionality.

- Single and dual monitor configurations help you customize your viewing experience
- Ergonomic hydraulic height adjustment to easily switch between sitting and standing
- Telescopic camera pole can give a clear view of a patient during monitoring

A3 CART: ESSENTIA CONFIGURATIONS

Single Monitor with		Dual Monitor with			
ISO Tran 9600141	UPS 9600144	ISO Tran 9600142	UPS 9600143	Components	Component Part No.
1		1		A3 Cart, ISO Transformer	112006-200-TR
	1		1	A3 Cart	112006-200
1	1	1	1	Mount, Monitor, Tilt and Swivel, GCX	111173-000
1	1	1	1	Basket, RC Mast Rear Channel, GCX	111175-000
		1	1	Mount, Flat Panel Display, 9 in Riser	111206-000
1		1		Clip, Cable, Monitor Riser, GCX	111241-000
	1	1	1	Assembly, Rear Cable Anchor, GCX Carts	113020-200
2	2	2	2	Bracket, Arm	197243-200
1	1	1	1	Arm, Articulating, Essentia Photic	197260-200
1	1	1	1	Kit, Essentia Amp, A3 Cart	197321-200
1	1	1	1	Kit, 10 ft (3 m) USB-C Cable with Ferrite	197330-200
2	2	2	2	Mouse Pad, Antimicrobial 5 x 6 3/16 in Thick	198257-000
1	1		1	Cord, Power 15 ft (4.5 m) Hospital Grade AWG16	286079-000
	1		1	Power Cord, Y, 5-15P x 2x 5-15R 1 ft	286164-000
1	1	1	1	Microphone, USB, Carts	291054-000
	1		1	UPS, Mobile, Isolation, 1 kVA, 120 VAC	291252-000
8	8	8		Cable Tie Velcro, Black 1/2 in W	051030-000
1	1	1	1	Cable Sleeve, 2.75 Diameter, Snap Close	051043-000
1	1	1	1	Screwdriver, 2-N-1 Std Blade	020003-000
	1	1	1	User Guide, A3 Cart	112006-639

A3 CART OPTIONS

Product	Part No.
Photic Stimulator Articulating Arm	197260-200
Apollo+ 32-channel Kit for A3 Cart	197322-200

A3 CART CAMERA POLE KIT

Add a telescopic camera mast (pole), HD camera, and infrared illuminator to the A3 Cart. Order camera pole without camera using part numbers 198273-624 and 358006-200

Camera Pole Kit Part No. 9606006	Component Part No.
Camera, Pan-Tilt-Zoom, Full HD	198273-000
Camera/IR Illuminator Mast, EEG Cart	358006-200
Camera Setup Instructions	198273-624

A3 CART WORKSURFACES

Choose from a worksurface with drawer (shown) or a flat worksurface.

Product	Part No.
Worksurface with Supply Drawer	9607081
Worksurface	111242-000
Additional Supply Drawer	111188-000

A telescopic camera mast (pole) can reach 94.5 in (240 cm) in height for HD camera and infrared illuminator

Arc Photic Stimulator articulating arm

Flat worktop with a removable supply drawer. Or opt for a flat desktop.

Use shelf for PC, printer, sharps container, trash bin, or power supply option. Shown with UPS and SFF PC.

Height-adjustment foot pedal

A3 Cart set up for clinical monitoring with an Arc Essentia EEG system.

A3 CART

A3 CART: ARC APOLLO+ CONFIGURATIONS

| Apollo+ 32 Ch | | Apollo+ 64 Ch | | | | | |
| Single Monitor with | | Single Monitor with | | Dual Monitor with | | | |
ISO Tran 9600139	UPS 9600140	ISO Tran 9600135	UPS 9600138	ISO Tran 9600136	UPS 9600137	Component	Component Part No.
1		1		1		A3 Cart, ISO Transformer	112006-200-TR
	1		1		1	A3 Cart	112006-200
1	1	1	1	1	1	Mount, Monitor, Tilt and Swivel, GCX	111173-000
1	1	1	1	1	1	Basket, RC Mast Rear Channel, GCX	111175-000
1	1	1	1	1	1	Supply Drawer Module, EEG Cart, GCX	111187-000
					1	Mount, Flat Panel Display, 9 in Riser	111206-000
1	1	1	1	1	1	Assembly, Rear Cable Anchor, GCX Carts	113020-200
2	2	2	2	2		Arm Mounting Bracket	197243-200
		1	1	1	1	Kit, Apollo 64 Ch, A3 Cart	197323-200
1	1					Kit, Apollo 32 Ch, A3 Cart	197322-200
1	1	1	1	1	1	Kit, 10'(3m) USB-C Cable with Ferrite	197330-200
2	2	2	2	2	2	Mouse Pad, Antimicrobial 5 x 6 3/16 in Thick	198257-000
1	1	1	1	1	1	Microphone, USB, Carts	291054-000
	1		1		1	Cord, Power 15 ft (4.5 m) Hospital Grade AWG16	286079-000
	1		1		1	Power Cord, Y, 5-15P x 2x 5-15R 1 ft	286164-000
	1		1		1	UPS, Mobile, Isolation, 1 kVA, 120 VAC	291252-000
1	1	1	1	1	1	User Guide, A3 Cart	112006-639
8	8	8	8	8	8	Cable Tie, Velcro, Black 1/2 in W	051030-000
1	1	1	1	1	1	Screwdriver, 2-N-1 Std Blade	020003-000
1	1					Cable Sleeve, 2.75 Diameter, Snap Close	051043-000

Choose between a single or dual monitor setup to create your ideal ergonomic workspace for any EEG environment

Dedicated amplifier mounts

Comfortable travel handle

Storage basket with cable hooks

Keyboard shelf with left and right mouse pads and storage

Configure your A3 Cart with a Mini PC, Small Form Factor (SFF) PC, or All-in-One (AIO) PC, and any Arc EEG system. This A3 Cart shows dual monitors with a SFF PC and an Arc Apollo+ system.

Cable management compartment

Smooth, lockable casters

A3 Cart set up for Long Term Monitoring with an Arc Apollo+ 64-channel EEG system

A3 CART

A3 CART: ARC ZENITH CONFIGURATIONS

Single Monitor with		Dual Monitor with			
ISO Tran 9600131	UPS 9600132	ISO Tran 9600133	UPS 9600134	Components	Component Part No.
	1		1	A3 Cart	112006-200
1		1		A3 Cart with ISO Transformer	112006-200-TR
	1		1	UPS, Mobile, Isolation, 1 kVA, 120 VAC	291252-000
	1		1	Cord, Power 15 ft (4.5 m) Hospital Grade AWG16	286079-000
	1		1	Power Cord, Y, 5-15P x 2x 5-15R 1 ft	286164-000
1	1	1	1	Mount, Monitor, Tilt and Swivel, GCX	111173-000
		1	1	Mount, Flat Panel Display, 9 in Riser	111206-000
		1	1	Clip, Cable, Monitor Riser, GCX	111241-000
1	1	1	1	Kit, Zenith Amps, A3 Cart	197325-200
1	1	1	1	Kit, 10 ft (3 m) USB-C Cable with Ferrite	197330-200
1	1	1	1	Basket, RC Mast Rear Channel, GCX	111175-000
1	1	1	1	Supply Drawer Module, EEG Cart, GCX	111187-000
1	1	1	1	Bracket, IOMAX Base Module, A3 Cart	113022-200
1	1	1	1	Assembly, Rear Cable Anchor, GCX Carts	113020-200
1	1	1	1	Bag, Cart Accessory	198187-000
1	1	1	1	Microphone, USB, Carts	291054-000
2	2	2	2	Mouse Pad, Antimicrobial 5 x 6 3/16 in thick	198257-000
1	1	1	1	Screwdriver, 2-N-1 Std Blade	020003-000
8	8	8	8	Cable Tie Velcro Black 1/2 in W	051030-000
1	1	1	1	User Guide, A3 Cart	112006-639

Dedicated amplifier bracket with cable hook

Cascade IOMAX Base Module bracket
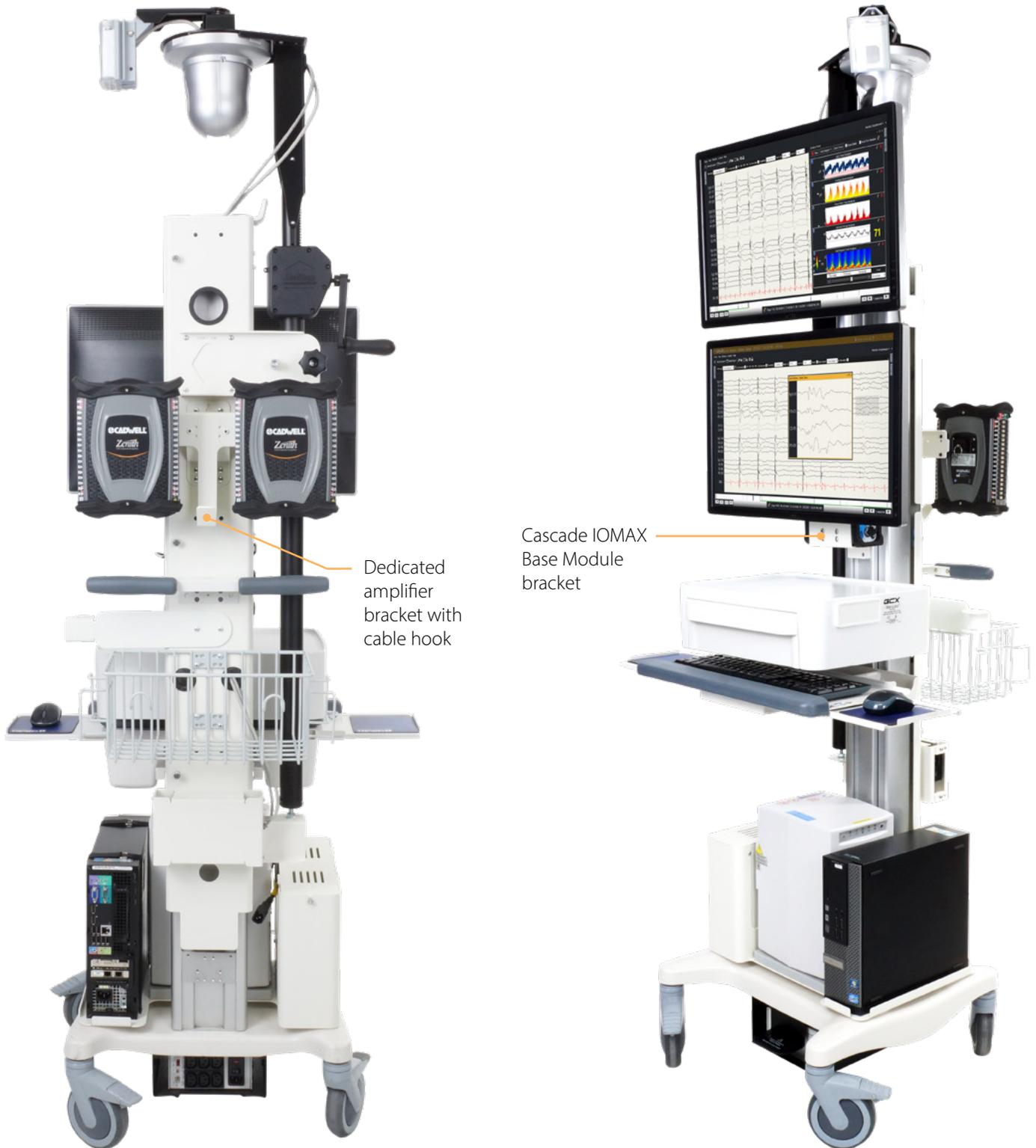
A3 Cart set up for high-channel count intracranial monitoring with Arc Zenith EEG systems.

FUZION CART

Our Fuzion Cart is streamlined for EEG testing. Configure a basic clinical EEG configuration on the height-adjustable Fuzion Cart with a laptop or desktop PC. Set up a complete electrodiagnostic system on the Fuzion Cart by combining EEG with Sierra Summit EMG/NCS/EP/US.

OPTIONS:

- Monitor mounts for an external monitor or All-in-One (AIO) PC
- Articulating and flexible arms
- Retractable keyboard tray with mouse pad
- Bracket for a Mini PC
- Extra shelves and bins for Small Form Factor (SFF) PC, isolation transformer, or printer
- Bracket for power strip
- Removable supplies bag
- Footswitch holder (for Sierra Summit system)

FUZION CART POWER OPTIONS

Fuzion Cart Power Options	Components	Part No.
9010010 Tripp-Lite Power Strip	Medical Grade 6-plug Tripp-Lite Power Strip	291265-000
	Fuzion Cart Power Strip Mount	111211-000
9010011 Isolation Transformer	Isolation Transformer, 600 VA	232060-000
	Isolation Transformer Manual	199255-620
	Fuzion Cart Isolation Transformer Bin	111208-000
9010006 Tripp-Lite Uninterrupted Power Supply	UPS Mobile Isolation, 1 kVA, 120 VAC	291252-000
	UPS Installation Instructions	291252-623
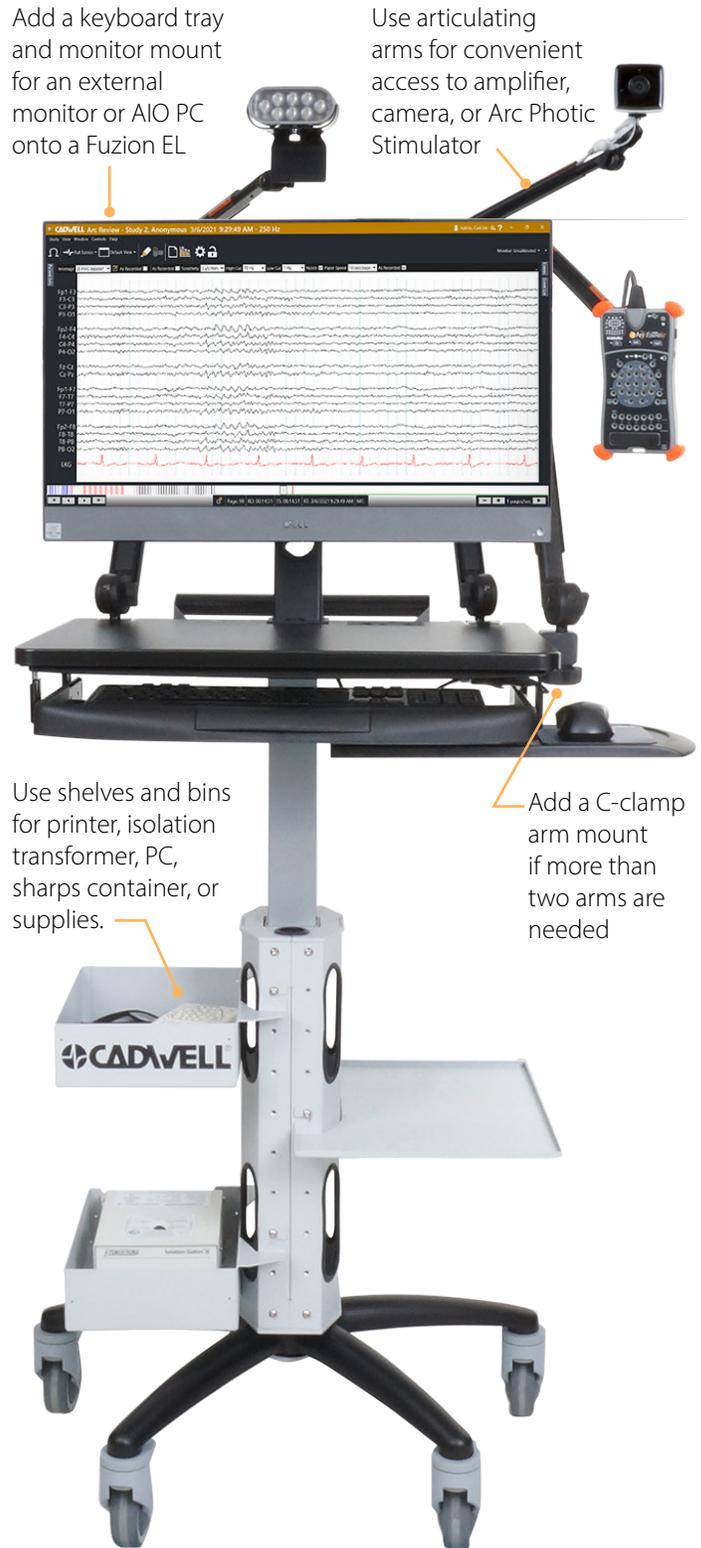
Add a keyboard tray and monitor mount for an external monitor or AIO PC onto a Fuzion EL

Use articulating arms for convenient access to amplifier, camera, or Arc Photic Stimulator

Use shelves and bins for printer, isolation transformer, PC, sharps container, or supplies.

Add a C-clamp arm mount if more than two arms are needed

Fuzion Cart EL with AIO PC, Arc Photic Stimulator, Camera, Arc Essentia system, and Isolation Transformer

Mount the Apollo+ on a pivot bracket for ease of access

Use flexible arms for Arc Photic Stimulator or camera

Add a power strip and bracket

Lockable, smooth casters

Fuzion Cart SL with Laptop PC, Arc Photic Stimulator, and Apollo+ system

The Mini PC bracket mounts to cart column to save space
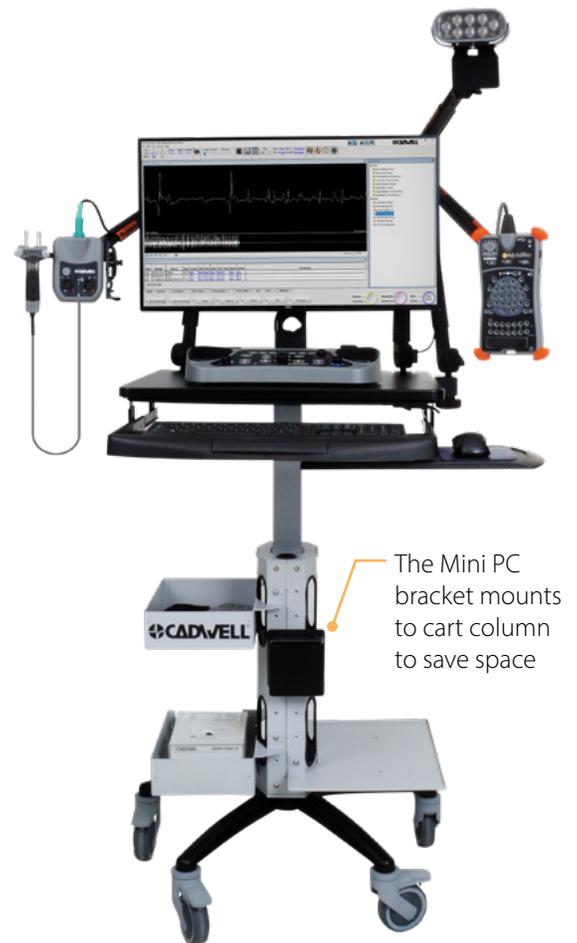
Build a multi-modal system on one cart with Sierra Summit EMG/NCS/EP/US and Arc EEG

FUZION CARTS CAN BE CONFIGURED INTO THE FOLLOWING KITS:

Laptop use 9607088	Laptop + Monitor use 9607085	SFF PC + Monitor use 9607084	Mini PC + Monitor use 9607086	AIO PC + Monitor use 9607087	Components	Part No.
✓					Fuzion Cart SL (Standard Load)	111207-000-A
	✓	✓	✓	✓	Fuzion Cart EL (Extra Load)	111223-000-A
✓	✓	✓	✓	✓	Fuzion Cart User Guide	112003-639
✓	✓	✓	✓	✓	Fuzion Cart Field Install Instructions	112003-934
✓	✓	✓	✓	✓	6 Velcro Sets	342193-000
✓	✓	✓	✓	✓	2 in 1 Screwdriver	056037-000
✓	✓	✓	✓	✓	Adjustable Wrench	020005-000
	✓	✓	✓	✓	Fuzion Cart Keyboard Tray	111214-000
	✓	✓	✓	✓	Fuzion Cart Monitor Mount	111216-000
	✓				Cordless Keyboard and Mouse	291214-000
		✓			Fuzion Cart PC Bracket	111217-000
			✓		Fuzion Cart Mini PC Bracket	197318-200

POLE CART

The Pole Cart is a slender and lightweight workstation with a fold-up keyboard tray designed for tight spaces. The Pole Cart can accommodate the 32-channel Arc Essentia or the 32- or 64-channel Arc Apollo+ systems. Includes your choice of a Small Form Factor (SFF) or Mini PC, and an Isolation Transformer or Uninterruptible Power Supply (UPS)

The monitor mount can tilt and has adjustable tilt tension. Dedicated amplifier brackets, transport handle, and smooth, lockable casters make for easy transport.

OPTIONS:

Products	Part No.
Arc Photic Stimulator Articulating Arm	197260-200
Photic Stim Flexible Arm, 30 in (76 cm)	197261-200
Arc Essentia Amplifier C-clamp	190305-200
Additional Basket	111132-000
Mini PC Mounting Bracket	197272-200
Arc Essentia Mounting Bracket	334838-000

POLE CART CONFIGURATION FOR ARC ESSENTIA AND ARC APOLLO+

Components	Part No.
EEG-ONLY Pole Cart - additional brackets required specific to the system being ordered. - Call for a quote.	Call for part number.
Mount, CPU, 3.0 in to 4.5 in - used with a Small Form Factor (SFF) computer or an Isolation Transformer	111133-000
Mount, CPU, Pole Cart, 7.0 in to 9.5 in - used to hold a UPS or large CPU	111154-000
Arc Photic Stimulator Articulating Arm	197260-200
Telescoping PTZ Camera Pole	358012-200

Single monitor mount with tilt and swivel monitor movement (AIO PC is not supported)

Amplifier bracket mounts to cart column

Comfortable transportation handle

Fold-up keyboard tray with mouse tray and mouse holder

Supply basket mounts to the cart column

Smooth, lockable casters
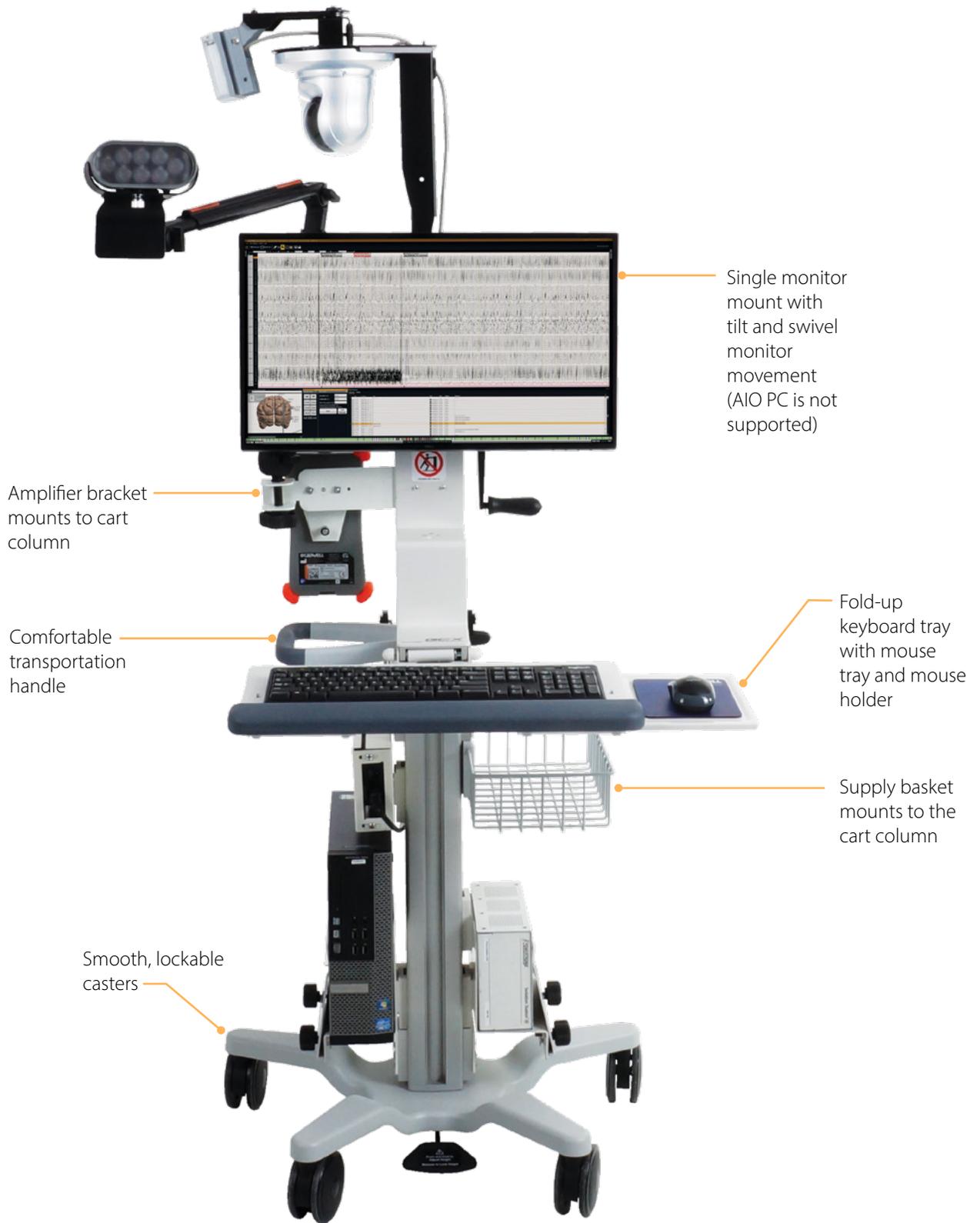
PATIENT ROLL STAND

Use with Arc Zenith high channel count amplifiers to help enhance patient mobility and safety in the EMU.

Patient Roll Stand Part No. 9600119	Component Part No.
Patient Roll Stand	111247-000
Zenith Amplifier Bracket Assembly	358007-200
Cortical Module Bracket	334931-000
Transport Mode Placard Label	350385-001
Screwdriver, 2-in-1	020003-000
User Guide	112008-639
Field Install Instructions	112008-934

Left to right: Arc Essentia E3 Amplifier, Arc Essentia Remote Input Box, Arc Photic Stimulator, Laptop PC

MOBILE SYSTEMS FOR TRAVEL EEG TECHNOLOGISTS

Pack everything you need to run a mobile monitoring unit with a laptop, Arc Essentia Amplifier, Arc Photic Stimulator, and a carry-on sized travel bag.

Products	Qty	Part No.
E1 Arc Essentia Amplifier with Arc Photic Stimulator	Choose 1	9600710
E3 Arc Essentia Amplifier with Arc Photic Stimulator		9600712
Enhanced Amplifier Cable, 10 ft (3 m) USB Cable	1	197274-200
Arc Essentia 10-20 Pattern Remote Input Box	1	190294-200
Cable, Remote Input Box, 10 ft (3 m)	Choose 1	199283-000-010
Cable, Remote Input Box, 25 ft (7.6 m)		199283-000-025
High Performance Laptop PC with Arc EEG software	1	9602116
Soft-sided Carry-on Sized Wheeled Case with Retractable Handles 22 x 15 x 9 in (56 x 38 x 23 cm)	1	198204-000

PRODUCT AVAILABILITY VARIES BY MARKET.
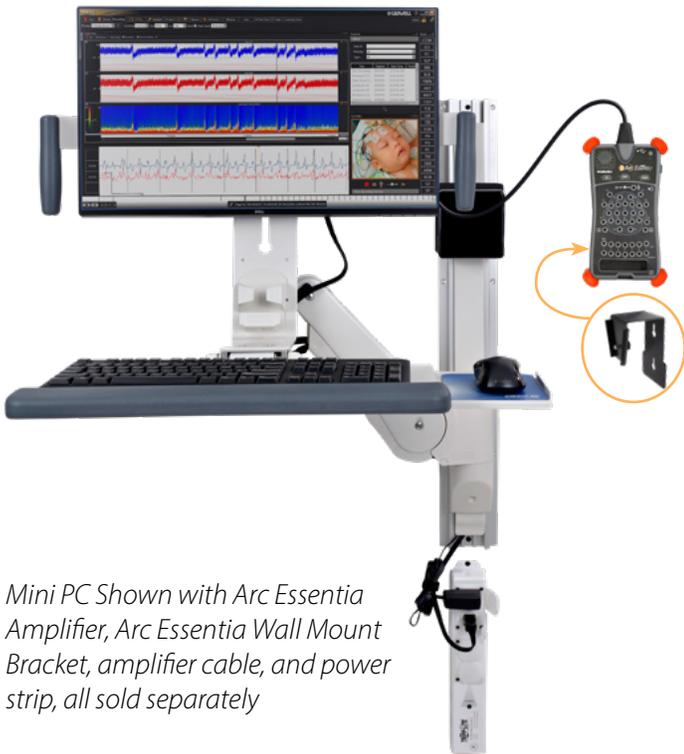
Mini PC Shown with Arc Essentia Amplifier, Arc Essentia Wall Mount Bracket, amplifier cable, and power strip, all sold separately

Above: Small Form Factor (SFF) PC with Isolation Transformer

Left: All-in-One (AIO) PC with Isolation Transformer

WALL MOUNT KITS

Wall Mounts are customizable by Arc amplifier and computer type.

Arc Apollo 32-ch			Arc Apollo 64-ch			Arc Zenith			Arc Essentia				
AIO 9600107	SFF 9600108	Mini PC 9600109	AIO 9600128	SFF 9600129	Mini PC 9600130	AIO 9600104	SFF 9600105	Mini PC 9600106	AIO 9600101	SFF 9600102	Mini PC 9600103	Components	Component Part No.
1	1	1	1	1	1	1	1	1	1	1	1	Kit, Wall Mount System, GCX	112000-200
1	1	1	1	1	1	1	1	1	1	1	1	Hospital Grade Power Cord, 15 ft (4.5 m) AWG16	286079-000
1	1	1	1	1	1	1	1	1	1	1	1	Isolation Transformer, 600 VA	232060-000
1	1	1						1				Bracket, 32ch Amp, Wall Mount	113006-200
	1		1	1		1				1		Mount, CPU, 3.0 to 4.5 in, GCX	111133-000
		1			1			1			1	Bracket, Mounting, Mini PC	334842-000
			1	1	1	1	1	1				Dual Amp Bracket, A3 Cart	113021-200
						1	1	1				Bracket, IOMAX Base Module, A3 Cart	113022-200
											1	Mount, Front Channel Adaptor, Molded, GCX	111147-000

Apollo+ 64-channel wall mount bracket can also be used for two Zenith amplifiers

AMPLIFIER MOUNTS

Quick-release pins ensures easy removal.

- Use Arc Apollo+ swivel mount on amplifier arms or tabletop mounts.
- Use IV Pole mount on an IV pole or bed rail. Cable management hook beneath amplifier holster
- Use EEG Wall mount Dual Device Bracket for the Arc Apollo+ 64-channel amplifier and Recorder, or Arc Zenith amplifier

Arc Apollo+ 32-channel bracket comes in swivel ball, wall, and pole clamp configurations

Above and right: Essentia Wall Mount Bracket

Mounting options by amplifier type	Arc Apollo+ 32-channel	Arc Apollo+ 64-channel	Arc Essentia	Arc Zenith
Pivot Ball/Swivel Mount Bracket	113005-200	113023-200	9600070	-
Mounting Bracket/Pole Mount	113004-200	113024-200	190305-200	190297-200
Wall Mount	113006-200	113021-200	334837-000	113026-200
Slide Mount (For cart - holds one Apollo+ 32ch amp or 64-ch amp, plus one Recorder)	113007-200	113027-200	-	-
Articulating Arm Bracket	197294-200	197324-200	197264-200	-

ACCESSORIES FOR MOUNTS

Products	Part No.
Wireless Keyboard & Mouse	291214-000
Photic Arm Wall Rail Mount	113009-200
Mount for Louroe Intercom Box	111165-000
Wall Mount Track, 37 in (9 3 cm)	111160-037

PRODUCT AVAILABILITY VARIES BY MARKET.

CADWELL

CADWELL PREMIUM GOLD CUP EEG ELECTRODES

Adult gold cup electrodes 0.4 in (10 mm) diameter cups are over-molded to multi-color lead wires and have 0.08 in (2 mm) holes for easy paste/collodion application. Various lead lengths and quantities available.

Product	Length	Qty	Color	Part No.
Cadwell Premium Gold Cup EEG Electrodes	12 in (30 cm)	25/pk	assorted	302767-200
	18 in (46 cm)	10/pk	assorted	302155-200
	32 in (80 cm)	26/pk	assorted	302768-200
	48 in (1.22 m)	6/pk	assorted sample kit	302736-200
	48 in (1.22 m)	10/pk	black	302132-200
	48 in (1.22 m)	10/pk	yellow	302055-200
	48 in (1.22 m)	10/pk	red	302058-200
	60 in (1.52 m)	10/pk	black	302641-200
	60 in (1.52 m)	10/pk	yellow	302644-200
	60 in (1.52 m)	10/pk	red	302647-200

CADWELL GOLD CUP ELECTRODES

Two cup size options are available for adult and pediatric use.

Product	Cup	Length	Qty	Part No.
Cadwell Adult Gold Cup Electrodes	10 mm	40 in (1 m)	12/pk	202110-000-040
		60 in (1.52 m)		202110-000-060
		80 in (2 m)		202110-000-080
		100 in (2.54 m)		202110-000-100*
Cadwell Pediatric Gold Cup Electrodes	6 mm	40 in (1 m)	12/pk	202111-000-040*
		60 in (1.52 m)		202111-000-060
		80 in (2 m)		202111-000-080

Call for availability

CADWELL DISPOSABLE EEG CUP ELECTRODES

Cadwell's disposable EEG Cup Electrodes are single use, silver / silver chloride EEG electrodes designed to provide low impedance in routine and long term EEG studies, reduce patient infection, and are conveniently packaged with 10, 15, 25, and 27 multi-colored leads per pack. Options include 10 mm deep cup or shallow cup, and also 6 mm deep cups.

DEEP CUPS - 10 MM

Deep Cups - 10 mm				
Part No.	Cup Size	Length		Qty
302642-000-012	10 mm	12 in	0.3 m	25/pk
302643-000-048	10 mm	48 in	1.22 m	10/pk
302642-000-048	10 mm	48 in	1.22 m	25/pk
302318-000-059	10 mm	59 in	1.5 m	15/pk
302319-000-059	10 mm	59 in	1.5 m	27/pk
302643-000-060	10 mm	60 in	1.5 m	10/pk
302642-000-060	10 mm	60 in	1.5 m	25/pk
302320-000-078	10 mm	78 in	2 m	10/pk
302318-000-078	10 mm	78 in	2 m	15/pk
302321-000-078	10 mm	78 in	2 m	25/pk
302320-000-098	10 mm	98 in	2.5 m	10/pk
302642-000-098	10 mm	98 in	2.5 m	15/pk
302321-000-098	10 mm	98 in	2.5 m	25/pk

SHALLOW CUPS - 10 MM

Shallow Cups - 10 mm				
Part No.	Cup Size	Length		Qty
302315-000-039	10 mm	39 in	1 m	10/pk
302316-000-039	10 mm	39 in	1 m	25/pk
302315-000-059	10 mm	59 in	1.5 m	10/pk
302316-000-059	10 mm	59 in	1.5 m	25/pk
302317-000-059	10 mm	59 in	1.5 m	27/pk
302315-000-078	10 mm	78 in	2 m	10/pk
302316-000-078	10 mm	78 in	2 m	25/pk
302315-000-098	10 mm	98 in	2.5 m	10/pk
302316-000-098	10 mm	98 in	2.5 m	25/pk

DEEP CUPS - 6 MM

Deep Cups - 6 mm				
Part No.	Cup Size	Length		Qty
302322-000-039	6 mm	39 in	1 m	10/pk
302323-000-039	6 mm	39 in	1 m	25/pk
302322-000-059	6 mm	59 in	1.5 m	10/pk
302323-000-059	6 mm	59 in	1.5 m	25/pk
302322-000-078	6 mm	78 in	2 m	10/pk
302323-000-078	6 mm	78 in	2 m	25/pk
302322-000-098	6 mm	98 in	2.5 m	10/pk
302323-000-098	6 mm	98 in	2.5 m	25/pk

AMBU DISPOSABLE EEG CUP ELECTRODES

Ambu® 0.4 in (10 mm) diameter cups have 0.08 in (2 mm) holes for easy application of paste/collodion. Multi-colored lead wires and connectors. Fully disposable.

| Product	Length	Qty	Part No.
Ambu Disposable EEG Cup Electrodes	60 in (1.52 m)	10/pk	202100-000

ELECTRO-CAP HEAD CAP SYSTEMS

Each Electro-Cap™ system features pure tin electrodes positioned according to the International 10-20 System in an

Head Cap System I

elastic fabric cap. Please specify which instrument you are using with your head cap system and whether you want regular or surgical-style caps. Compatible only with Arc Essentia and Easy® III devices.

For individual replacement supplies, please order from Electro-Cap at 1 (800) 527-2193.

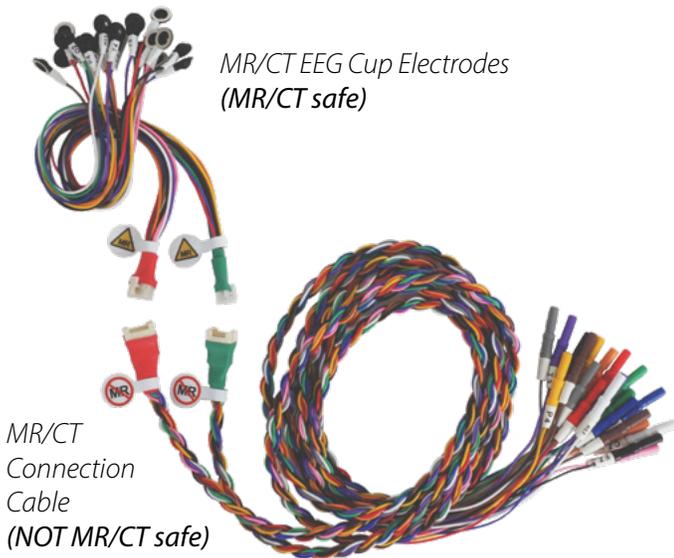| Head Cap System:	I	II	III
Part No.	197156-000	197157-000	197158-000
Medium Head Cap (54-58 cm)	1	1	1
Medium Body Harness	1	1	1
Large Head Cap (58-62 cm)	-	1	1
Extra-Small Head Cap (46-50 cm)	-	-	1
Small Head Cap (50-54 cm)	-	-	1
Small Body Harness	-	-	1
Quick-insert Electrodes	1	2	4
Pair of Ear Electrodes	1	2	2
Disposable Sponge Discs	100	100	100
Needle/Syringe Kits	1	2	4
Electro-Cap Gel, 16 oz (454 g) Jar	1	1	2
Head Measuring Tape	1	1	1
Liquid Soap, 12 oz (330 g) Bottle	1	1	1
Instruction Manual	1	1	1
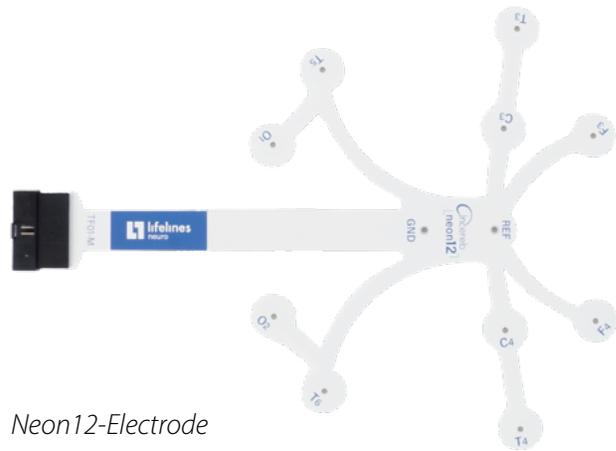
Neon12-Electrode
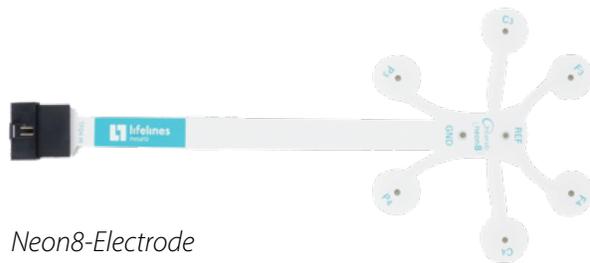
Neon8-Electrode

INCEREB NEONATE ELECTRODES/ CABLES

12-channel and 8-channel neonate EEG electrodes. Electrodes are single use and sold in packs of 5. Each electrode contact has a hole in the center for the application of EEG paste/gel. Touch-proof connector cables will connect electrodes to either Arc Apollo+® or Arc Essentia® amplifiers. Connector cables sold separately.

Part No.	Product	Length	Color	Qty.
202001-010	Neon12, Electrode	0.3 m / 12 in	white/ blue	5/pk
202003-000	Neon12, Touch-proof Connector Cable	.46 m / 18 in	-	1
202004-010	Neon8, Electrode	0.8 m / 32 in	white/ green	5/pk
202006-000	Neon8, Touch-proof Connector Cable	1.22 m / 48 in	-	1

MR/CT EEG Cup Electrodes
(MR/CT safe)

MR/CT
Connection
Cable
(NOT MR/CT safe)

SPES MEDICA DISPOSABLE MR/CT EEG CUP ELECTRODES

The Spes Medica Disposable MR/CT EEG Cup Electrodes are intended to be left in place during MR imaging at 1.5T and 3T, as well as during CT scanning. The extension cable must be disconnected from the electrodes before scanning and MUST remain disconnected throughout the entire MR/CT scan. EEG or EP should not be recorded during the entire MRI or CT scan. Color-coded connectors enable quick disconnection and reconnection of the electrodes, eliminating the need to completely remove electrodes from the patient's skin when the patient goes in for an MRI or CT scan. These electrodes must be used with their dedicated connection cable, which is included.

Product	Part No.
Disposable EEG Cups, MR/CT, 21 Leads with Harness	202976-000
Disposable EEG Cups, MR/CT, 23 Leads with Harness	202977-000
Disposable EEG Cups, MR/CT, 25 Leads with Harness	202978-000
Disposable EEG Cups, MR/CT, 27 Leads with Harness	202979-000

Color-Coded Patch Electrodes   *Black Twist Patch Electrodes*

CADWELL SNAP CONNECTOR LEAD WIRES

Color-coded lead wires with snaps are designed for use with snap patch electrodes, the BraiNet® electrode template system, and the Cadwell® color-coded input boxes.

Wire Color	Snap Color	Length	Qty	Part No.
clear	red	5 ft (1.5 m)	1	302696-200
clear	black	5 ft (1.5 m)	1	302697-200
clear	red	10 ft (3 m)	1	302698-200
clear	black	10 ft (3 m)	1	302699-200
white twist	color-coded	4 ft (1.2 m)	5/pk	302312-200*
black twist	color-coded	4 ft (1.2 m)	5/pk	302313-200*
color-coded		2 ft (0.6 m)	11/pk	302300-200-024*
color-coded		5 ft (1.5 m)	4/pk	302300-200-060*

*Call for availability

Oval Patch   *Offset Wet Gel Patch*

SNAP PATCH ELECTRODES

The oval patch with adhesive solid gel is ideal for PSG studies for leg movement or ECG data. The wet gel patch with offset snap fits well around the eyes and on the chin. For use with the Cadwell® Snap Connector Lead Wires. Single patient use only.

Product	Qty	Part No.
Oval Patch, 40 x 36 mm	3/pk	302701-000
Offset	1 bx (40 packs of 25)	202387-000

8000J Flex Sensor System shown with 8000JFW FlexiWrap Adhesive, Adult

8000JFW Adult FlexiWrap Adhesives

8008JFW Infant/Pediatric FlexiWrap Adhesives

8008J Infant Flex Sensor shown with 8008JFW FlexiWrap Adhesives, Infant


8001JFW Neonatal FlexiWrap Adhesives

NONIN 8000J REUSABLE FLEX SENSOR SYSTEMS

The Nonin 8000J Flex Sensor System combines the convenience, performance and economy with the reusable, durable, silicone Flex sensor and coordinating disposable FlexiWrap adhesive. Sensors have a 90-day warranty and come with a 25-pack of disposable FlexiWrap adhesives.

Patient Range	Flex Sensor Systems	Part No.
Adult >20 kg (>44 lb)	8000J Flex Sensor, 9.8 ft (3 m) + 25 8000JFW Adult FlexiWraps, use on finger	202942-000-300
	8000J Flex Sensor, 3.25 ft (1 m) + 25 8000JFW Adult FlexiWraps, use on finger	202942-000-100
	8000J Flex Sensor, 8 in (20 cm) + 25 8000JFW Adult FlexiWraps, use on finger	202942-000-020
	25 8000JFW Adult FlexiWraps, use on index, middle, or ring finger	202945-000
Pediatric 2 - 20 kg (4.4 - 44 lb)	8008J Infant/Pediatric Flex Sensor, 39 in (1 m) + 25 8008JFW Infant/Pediatric FlexiWraps	202944-030-100
	25 8008JFW Infant/Pediatric FlexiWraps, use on toe	203009-010
Neonatal < 2 kg (<4.4 lb)	8001J Neonatal/Infant Flex Sensor + 25 8001JFW Neonatal FlexiWraps	202617-000
	25 8001JFW Neonatal FlexiWraps, use on lateral aspect of foot	203009-000

NONIN 6000C PEDIATRIC DISPOSABLE CLOTH PULSE OXIMETRY SENSORS

Designed with an inclusive cable, sensor, and a stretch, tear-resistant adhesive cloth wrap, these disposable cloth pulse oximetry sensors provide comfort for patients requiring secure extended oximetry and pulse rate monitoring. The sensor design is ideal for hard-to-fit patients such as infants and neonates, and ensures consistent readings by keeping the sensor in the proper position.
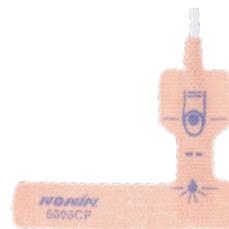
Pediatric   *Infant*

Product	Part No.
24 Nonin 6000CP Disposable Oximeters, pediatric, 3.25 ft (1 m)	202940-020
24 Nonin 6000CI Disposable Oximeters, infant, 3.25 ft (1 m)	202940-010

NONIN REUSABLE PULSE OXIMETRY SOFT SENSORS

Nonin 8000S Series reusable soft sensors offer ultimate flexibility for oximetry measurement, whether short-term spot checking or continuous monitoring. The specifically designed soft sensors offer superior patient comfort by providing an optimal distribution of pressure and three sizes to fit a variety of patient hands from children to adults. One-year warranty included.
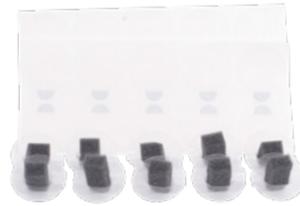
Product	Length	Part No.
8000S Large Soft Sensor	118 in (3 m)	202948-050-300
	39 in (1 m)	202948-050-100
8000S Medium Soft Sensor	118 in (3 m)	202948-040-300
	39 in (1 m)	202948-040-100
8000S Small Soft Sensor	118 in (3 m)	202948-030-300
Xpod Pulse Oximeter USB Cable (for Essentia)	39 in (1 m)	198232-200

Forehead Reflectance Oximeter Holder

Forehead Reflectance Oximeter

NONIN 8000R REUSABLE REFLECTANCE PULSE OXIMETRY SENSOR

Nonin 8000R reflectance pulse oximetry sensors provide a convenient application site on the forehead for stress testing and continuous monitoring where digits are not the preferred location. With Nonin PureLight® sensor technology and PureSAT® signal processing technology, you can be sure you're getting consistent results from patient to patient and sensor to sensor. The product consists of the 8000R sensor, 8000H plastic applicator caps, and adhesive rings.

Product	Part No.
1 Forehead Reflectance Oximeter	203012-000
10 Forehead Reflectance Oximeter Holders	203011-000

NONIN 8000Q2 REUSABLE EAR CLIP PULSE OXIMETRY SENSOR

The Nonin 8000Q2 reusable ear clip sensor offers flexibility for spot check and longer-term oximetry monitoring when digits are not the preferred application site. One size fits all.

Product	Part No.
8000Q2 Ear Clip Oximeter, reusable, 39 in (1 m)	203010-000

OXIMETER EXTENDER CABLE

Increase the length of any pulse oximeter by an extra three meters when you add the oximetry extender cable.

Product	Part No.
1 Nonin Oximeter Extender Cable, 118 in (3 m)	202949-000

CADWELL MEASURING TAPE

Ideal for surface measurement, this flexible-fiber measuring tape shows both inches and centimeters and retracts with the push of a button. Zero begins at the end of the tape.

Product	Part No.
Cadwell Measuring Tape, color varies	202161-000

PDI SANI CLOTH DEVICE & ELECTRODE CLEANING WIPES

Safely and effectively disinfects and cleans all reusable surface bar, ring, ground plates and EEG surface electrodes. See electrode care section for cleaning information.

Product	Part No.
Super Sani Wipes, 1 tub	202197-000*
Sani Bleach, 1 tub	202198-000*

Additional shipping and handling charges may apply.

CHINA MARKER (GREASE PENCIL)

Grease pencils. 12 per box.

Product	Part No.
12 China Markers, red	202711-000
12 China Markers, blue	202712-000

STERILE SKIN MARKING PEN

Highly visible, violet ink pens require only a light touch and provide a bright alternative to grease pencils. Sterile and labeled Single Use.

Product	Part No.
1 Sterile Skin Marking Pen	202734-000

EXAMINATION GLOVES

Power- and latex-free stretch vinyl synthetic gloves, non-sterile ambidextrous, Aloetouch® 3G. 100 gloves (50 pairs) per box.

Product	Size	Part No.
1 Box Aloetouch 3G Gloves, 100/box	small	202753-000
	medium	202754-000
	large	202755-000

NUPREP

NuPrep™ acetone-free skin prep gel is designed for use in EEG exams, sleep tests, NCV tests, and EP procedures.

Product	Part No.
3 NuPrep large tubes 114 ml (4 fl oz)	202159-000
6 NuPrep small tubes 25 ml (1 fl oz)	202186-000
24 NuPrep Single Use Cups (9 g each)	202185-000

TEN20 CONDUCTIVE PASTE

Ten20™ Conductive Paste is water-soluble, odor-free, and maintains its consistency at warm temperatures.. Sold in packs of three.

Product	Part No.
3 Ten20™ small jars 114 ml (4 fl oz)	202155-000
3 Ten20 large jars 228 ml (8 fl oz)	202156-000
3 Ten20 small tubes 114 ml (4 fl oz)	202154-000
24 Ten20 Single Use Cups (15 g each)	202151-000

ADHESIVE GEL/CREAM

Product	Part No.
Tensive® Conductive Adhesive Gel, Tube, 50 g	202142-000
SAC2 Electrode Cream, Tube, 100 g, 10/pk	202182-000

SPECTRA 360 CONDUCTIVITY GEL

Chloride-free, water soluble gel is ideal for EMG, EP, NCV, and EEG testing. Non-allergenic and odor free.

Product	Part No.
1 Spectra 360 Conductivity Gel, 250 g / 8.5 oz	202153-000

PRODUCT AVAILABILITY VARIES BY MARKET.

NEEDLE DISPOSAL CONTAINER

Heavy-duty, one-piece polypropylene sharps containers are puncture and leak resistant. Containers provide safe disposal of syringes, needles, and other infectious waste. A safety handle provides arms-length protection, and a see-through, one-way entry prevents overfilling.

Product	Part No.
20-Syringe Container, 0.95 L (1 qt)	202052-000
180-Syringe Container, 3.8 L (1 gal)	202059-000

COHESIVE BANDAGE

Latex-based Select® Cohesive Bandages provide slip-resistant support without fasteners or clips. They offer excellent breathe-ability and can be cut away with scissors.

Product	Part No.
1 roll of Cohesive Bandage, 3 in x15 ft (7 cm x 4.5 m)	202172-000

VELCRO

Color Velcro® straps for management of cables, wires, and cords. Comes in red, orange, yellow, green, and blue colors. Each strap is 20.3 cm / 8 in long and 1.2 cm/ 0.5 in wide. Adhesive feet are to attach laptops to base units.

Product	Part No.
5/pack Color-coded Velcro Straps	056040-000
3M® Adhesive Foot, individually sold	342193-000

GAUZE SPONGES

Gauze sponges, 5 x 5 cm (2 x 2 in). Available in sterile and non-sterile.

Product	Part No.
2 packs of 50 Sterile Gauze Sponges	202164-000
1 pack of 200 Non-Sterile Gauze Sponges	202162-000

ALCOHOL PADS

Ready-to-use prep pads saturated with 70% Isopropyl Alcohol.

Product	Part No.
1 box of Alcohol Prep Pads, 200/box	202165-000

COTTON TIPPED APPLICATORS

6 in (15 cm) non-sterile cotton tipped applicator swabs.

Product	Part No.
1 Box Cotton Tipped Applicators, 1000/box	202163-000

ELASTOMULL BANDAGE

Non-sterile gauze Elastomull® Bandage. 12 rolls per pack.

Product	Part No.
12 rolls of Non-Sterile Gauze 4 in x12.3 ft (10 cm x 3.7 m)	202173-000

3M TRANSPORE TAPE

Hypoallergenic 3M® Transpore™ tape comes in a 30 ft (9 m) roll available in 1 in (2.5 cm) and 2 in (5 cm) widths.

Product	Size	Part No.
12 Rolls of 1 in (2.5 cm) Transpore Tape	1 in x 30 ft (2.5 cm x 9 m)	202360-000
6 Rolls of 2 in (5 cm) Transpore Tape	2 in x 30 ft (5 cm x 9 m)	202361-000

3M MICROPORE TAPE

3M Micropore™ Tape is a latex-free, hypoallergenic paper tape that is gentle to the skin yet adheres well and leaves minimal adhesive residue upon removal. An economical, general purpose, breathable surgical tape.

Product	Size	Part No.
12 Rolls of Micropore Tape	1 in x 30 ft (2.5 cm x9 m)	202363-000

COVER-ROLL STRETCH TAPE

This non-woven cross-elastic bandage can be cut to size to secure any size or type of dressing. It is flexible and therefore works well on movable and hard to bandage areas.

Product	Size	Part No.
1 Cover-Roll Stretch Bandage	2 in x 6 ft (5 cm x 1.52 m)	202174-000-002
	2 in x 30 ft (5 cm x 9 m)	202174-000-010

TUBULAR ELECTRODE DRESSING RETAINER / LEAD WIRE STOCKINETTES

Latex-free tubular woven stockinettes capture and contain electrode lead wires to prevent entanglement.

Product	Size	Part No.
One 25-yard piece Surgilast® Tubular Elastic Dressing Retainer	small size 4	202169-000
	medium size 5	202170-000
	large size 6	202171-000

NOTES

CADWELL®
Helping you help others

Cadwell® Industries, Inc. is an American, family-owned neurophysiology diagnostic and monitoring solutions provider founded in 1979 by brothers John and Carl Cadwell. We engineer innovative and easy-to-use solutions that efficiently improve patient outcomes.

Our core competencies are full-spectrum EEG; Electrodiagnostic solutions for EMG, NCS, and EP with fully integrated Ultrasound; IONM; Sleep Diagnostics including in-lab PSG and HSAT; and a full suite of essential electrodes and accessories. We combine customer insight with decades of employee expertise to create cutting-edge technology and provide market-leading customer support.

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CONTACT US FOR A DEMO

Scan the code on the right, or visit the Cadwell website and contact us to schedule a demonstration of Cadwell EEG solutions for you and your team.

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