![Biosense Webster logo — PART OF THE Johnson&Johnson FAMILY OF COMPANIES]

CARTO® 3
System

CARTO**UNIVU**™
Module

WHEN IT COMES TO FLUOROSCOPY EXPOSURE, THE LOWER THE BETTER

LOWER

LOWER

LOWER

LOWER

LOWER

LOWER

LOWER

CARTO**UNIVU**™
Module

CARTO® 3
System

A radiation dosis of 15 mSV[1-3]
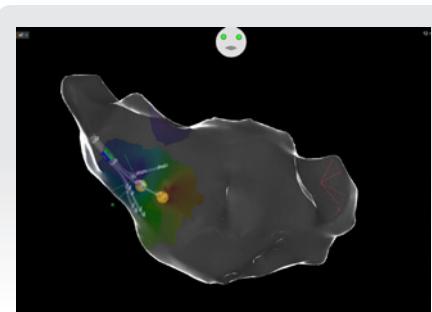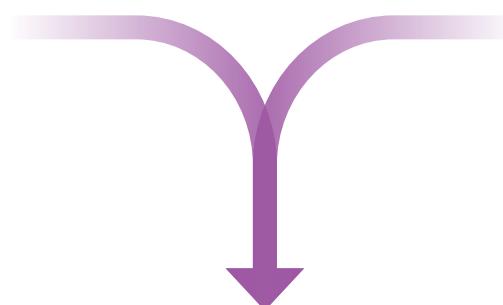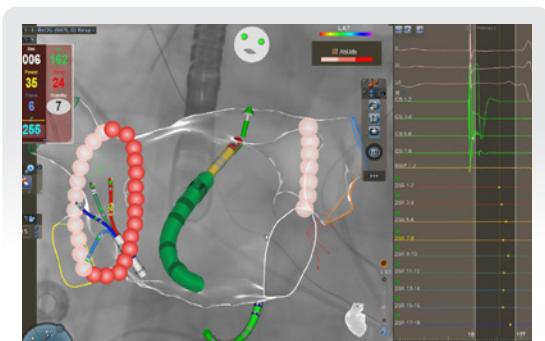
| CANCER RISK	1 in 750	1 in 500	1 in 200
	> 50 YEARS OLD	FEMALES +38%	CHILDREN x4

The CARTOUNIVU™ Module seamlessly **combines a fluoro image with the proven accuracy of the CARTO® 3 System maps into a single view**. It helps reduce exposure for physicians, staff and patients to as low as reasonably achievable*.
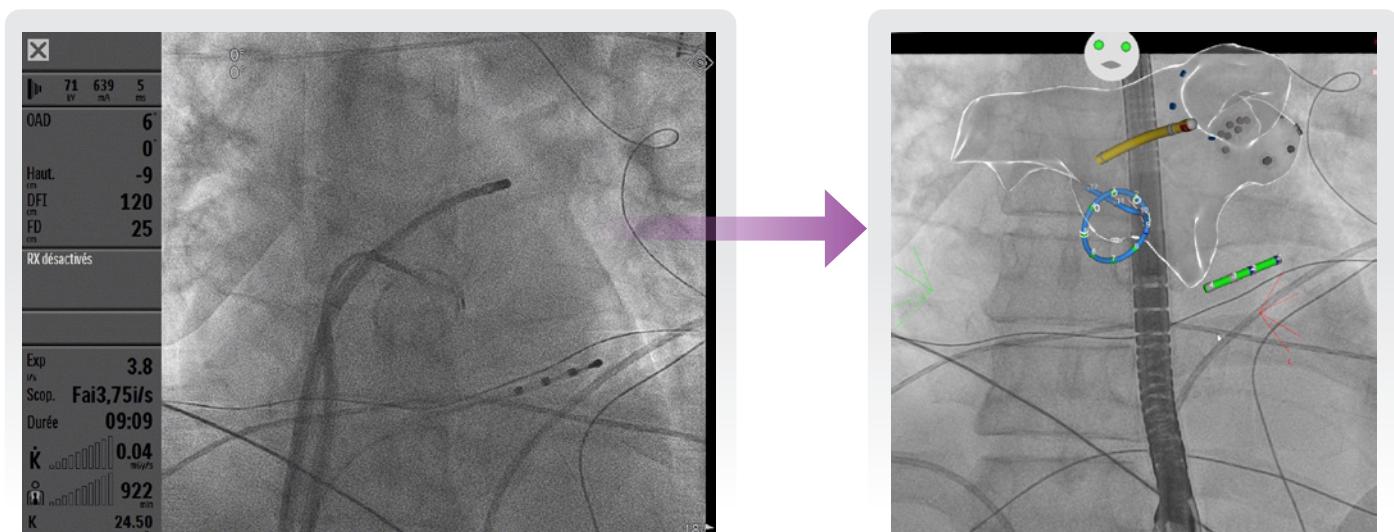

Now you can navigate confidently from an integrated view, with just **one X-ray image or cine sequence** needed for continuous anatomical orientation.

*Results are based on a single center study

Navigate with confidence from one integrated view

- Enhance **spatial orientation**

- Eliminate the need for repetitive fluoroscopy images

- Get automatically a **virtual biplane**

- No need of any anatomical reconstruction when combined with rotational angiography

- Always work with **high quality fluoroscopy display without increasing radiation exposure**

- Cine-loop **synchronized with respiration and heart rate***

- Reduce to only 1 transseptal puncture with fluoroscopy guidance

WITH THE CARTOUNIVU™ MODULE IN ATRIAL FIBRILLATION PROCEDURES[4]

↓ **82%** in fluoroscopy time
↓ **65%** in radiation dosis

CARTOUNIVU™ Module Compatibility Overview

Table verified according to the declaration of compatibilities held in Agile (document management system for BW Ltd.). References: DC-5400-046_27A, DC-5400-047_33A,DC-5400-048_43A & DC-5400-044_07A

Any combination of the below System + Table + C-Arm + Software is compatible with CARTOUNIVU™ Module. If one component is red then an upgrade is needed in order for CARTOUNIVU™ Module to be compatible. This document doesn't replace the need to fill in the excel compatibility form before any final confirmation.

BRAND	SYSTEM TYPE	TABLE TYPE	C-ARM MOUNTING	DETECTOR SIZE	SOFTWARE
GE	• Innova 2100 • Innova 3100 • IGS 520 • IGS 530 • IGS 620 BIPLANE • IGS 630 BIPLANE • IGS 730 BIPLANE • Innova 2121 BIPLANE** • Innova 3131 BIPLANE ** • IGS5 (20 & 30cm detector) • IGS6 Bi-plane (20 & 30cm detector) Discovery • IGS730 (except V6.0.45.X) Discovery • IGS7 30cm detector configuration (except V6.0.45.X)	• OMEGA 4 • OMEGA 5 • ELEGANCE (INNOVA IQ, tilt table)	• Floor • Bi plane		• DL AGILA2M 3B 1.19.1 • DL CERBER PLATFORM 1.33.1 • DL GINGKO 1.26.1 • DL GREENFEEL 1.59.1 • DL PATHFINDER 2.17.1 • DL PATHFINDER 3.2.1 • DL SOALRIS 3A 1.12.1 (software upgrade needed) • DL SOLARISM 3B 1.17.1 • DL CAPELLA-1.29.1 • SPAD X • DL HARM 3.8.1 • DL UNITY 4.19.14 • DL ELEGANCE (software upgrade needed) • DL Birdie 4.1.13 • DL Birdie 4.1.17 • DL Cerber 2.28.1 • DL Cerber 2.29.1 • DL Cerber 2.31.1 • DL Cerber 2.33.2 • DL Cerber Platform 1.36.1 • DL Cerber Platform 1.39.1 • DL Cerber Platform 1.40.1
Siemens	• Axiom Artis • Axiom Artis Zee • Axiom Artis Q zen* • Axiom Artis One (4.3 and above) • Axiom Artis Q	• Siemens	• Floor • Ceiling • Bi plane	• Small (20x20cm) • Medium • Large (40x30cm)	• Va10C / VA10D (Artis one) • VB3x • VC1x • VC2x • VD1x
Philips	• Allura Xper/Clarity • Allura Xper/Clarity with Stereotaxis • Allura • Azurion • UNIQ/UNIQ Clarity	• AD7 • AD7NT • AD7X • AD7X / AD7XT • AD7XNT • (with swivel option is not compatible)	• Single Plane: Poly-G2 floor (FD10) • Single Plane: Clea floor (FD20) • Single Plane: Poly-G2 ceiling (FD10) • Single Plane: Clea ceiling (FD10) with Flexmove (>= V6) • Single Plane: Clea ceiling (FD20) with Flexmove (>= V6) • Single Plane: Poly-G (FD12) • Single Plane: Clea ceiling (FD20) • Single Plane: Clea (FD15) • Single Plane: Poly-G (FD12) • Single Plane: Clea (FD15) • Bi-plane: Poly-G FD10/FD10 (front/lateral) • Bi-plane: Poly-G FD12/FD12 (front/lateral) • Bi-plane: Clea FD20/FD10 (frontal/lateral) • Bi-plane: Clea FD20/FD12 (frontal/lateral) • Bi-plane: Clea FD20/FD15 (frontal/lateral) • Bi-plane: Clea FD20/FD20 (frontal/lateral)		• R7.0.x (except V6.0.45.169 and V6.0.45.171) • R7.2.x • R7.6.x • R8.1.x Xper/Clarity • R8.1.x in Stereotaxis environment • R8.2.x Xper/Clarity • R9.0.x Xper/Clarity • UNIQ R1.0.x • Azurion R1.1.x • Azurion R1.2.x • Azurion R2.0.x (>=V7) • Azurion R2.1.x
Toshiba (only V6 or above)	• INFX 8000V (floor mounted) system frontal plane must be equipped with Support column rotation lock kit (XGSL-880A) • INFX 8000V/BP system frontal plane must be equipped with Support column rotation lock kit (XGSL-880A) • INFX 8000C (ceiling mounted) • INFX 8000F	• CAT-850B Non-tilting table - XBLS-850B/A1 longitudinal axis encoder and XBRL-001A tabletop rotation locking kit must be installed to comply with the required accuracy • CAT-880B Tilting table	• Floor mounted: CAS-880A (frontal arm of 8000V) • Ceiling mounted: CAS-830B (8000C) • Fixed mounting: CAS-810A (8000F)	• BLA-800C/FPD 8 • BLA-900A with plastic cover/ FPD12, FPD1216 • BLA-900C with plastic cover/ FPD 8	• V6.50z, z is R001 or higher (Infinite series) • V8.00z, z is R001 or higher (Alpenix series) • V8.30z, z is R001 or higher (Alpenix series) • V9.00z, z is R001 or higher (Alpenix series)

*Rotational-angio using the AXIOM Artis Q.zen system is supported for CARTO® 3 System V4.3 and above
**The CARTOUNIVU™ Module doesn't support rotational angiography when interfacing with a system with a large detector

ORDERING INFORMATION

To order, visit www.biosensewebster.com or call your Biosense Webster sales representative.

Name	Catalog #
CARTOUNIVU™ MODULE	KT5400124

1. Heidbuchel H, Wittkampf FH, Vano E, Ernst S, Schilling R, Picano E, Mont L, Reviewers, Jais P, de Bono J, Piorkowski C, Saad E, Femenia F, European Heart Rhythm A: Practical ways to reduce radiation dose for patients and staff during device implantations and electrophysiological procedures. Europace 2014;16:946-964
2. Gerber TC, Carr JJ, Arai AE, Dixon RL, Ferrari VA, Gomes AS, Heller GV, McCollough CH,McNitt-Gray MF,Mettler FA,Mieres JH,Morin RL, Yester MV: Ionizing radiation in cardiac imaging: A science advisory from the American Heart Association Committee on Cardiac Imaging of the Council on Clinical Cardiology and Committee on Cardiovascular Imaging and Intervention of the Council on Cardiovascular Radiology and Intervention. Circulation 2009;119:1056-1065
3. The 2007 Recommendations of the International Commission on Radiological Protection. ICRP publication 103. Ann ICRP 2007;37:1-332
4. Cano, O. et al. Initial Experience with a New Image Integration Module Designed for Reducing Radiation Exposure During Electrophysiological Ablation Procedures. JCE. 2015

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For healthcare professionals in EMEA. Important information: Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, warnings and precautions.
Always verify catheter tip location using fluoroscopy or IC signals and consult the CARTO® System User Guide regarding recommendations for fluoroscopy use.Pellegrino, P.L., Brunetti, N.D., Gravina, D., Sacchetta, D., De Sanctis, V., Panigada, S., Di Biase, L., Di Biase, M., and Mantica, M. (2013). Nonfluoroscopic mapping reduces radiation exposure in ablation of atrial fibrillation. Journal of cardiovascular medicine 14, 528-533. Earley, M.J., Showkathali, R., Alzetani, M., Kistler, P.M., Gupta, D., Abrams, D.J., Horrocks, J.A., Harris, S.J., Sporton, S.C., and Schilling, R.J. (2006). Radiofrequency ablation of arrhythmias guided by non-fluoroscopic catheter location: a prospective randomized trial. Eur Heart J 27, 1223-1229
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