

The BURDICK® Vision™ Premier Holter System

Our top-of-the-line system for advanced Holter analysis

Primary Users

Physician practices, hospitals, cardiologists, and researchers

Primary Benefits

Additional features. Includes everything our Vision product offers plus significant enhancements that do most of the categorization for you and allow a more thorough analysis.

Easy analysis. Automatically categorizes Holter recordings into a comprehensive list of unique morphology forms.

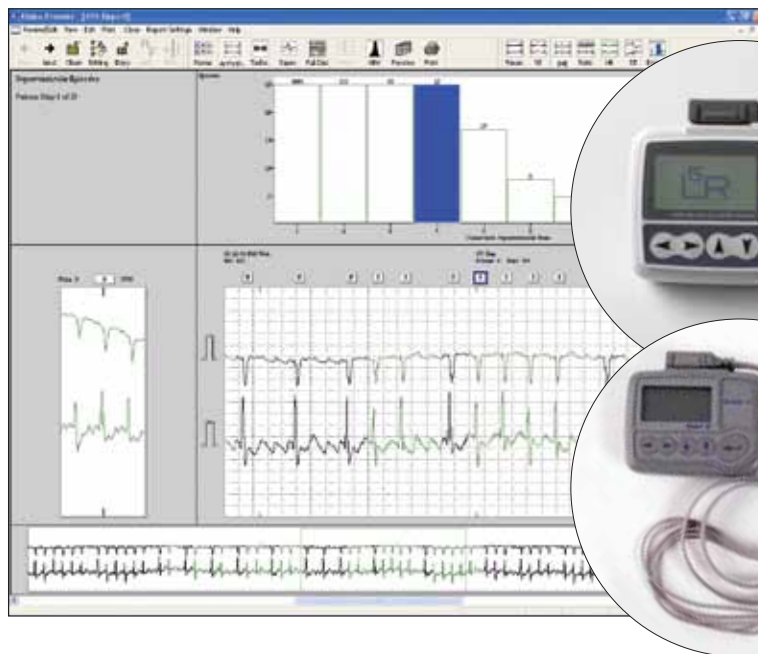
Accuracy. Studies using AHA and MIT standardized databases prove Vision Premier software is 99.95% accurate.

Connectivity. Opt for industry-standard HL7 to enable communication between Vision Premier and various information systems including the suite of HeartCentrix® data management solutions from Cardiac Science.

Flexibility. Advanced analysis tools like superimposition help isolate and identify arrhythmias.

Customization. Gives you the flexibility to easily customize your reports and to set clinical limits according to your preferences and protocols.

Confidence. With more than fifty years developing tools for cardiac diagnosis, Cardiac Science has the experience required for dependable results.



Burdick Vision 5LR Digital Holter Recorder

Burdick Vision 5L Digital Holter Recorder

For customers that need an advanced Holter monitoring solution, the Burdick® Vision™ Premier Holter System by Cardiac Science™ provides a powerful diagnostic tool. The Vision Premier system adds expanded viewing choices and a more comprehensive list of diagnostic tools to the easy-to-use Vision software.

Advanced functionality for accurate diagnoses

The Burdick Vision Premier software features advanced capabilities, including automatic categorization of beats, tachogram review, and full-disclosure viewing, providing the tools needed for even the most sophisticated analysis.

- + Vision Premier automatically categorizes the Holter information into 13 separate morphology forms, including normal, ventricular, paced, SVE, unknown, and artifact.
- + Software includes a category-specific histogram comparing frequency and severity for review of arrhythmia.
- + The program labels each abnormality in a 7-second diagnostic strip with classification, time of occurrence, heart rate, and beat annotations. Additional ECG-strip information can be inserted at any point.
- + On-screen displays allow review or editing either globally or by individual episode.
- + Vision Premier automatically analyzes ST changes in all three channels and adjusts the analysis for different heart rates.
- + The unique Tachogram Review marks atrial fib/flutter regions for review and printing, allowing quick identification of rate related abnormalities.
- + On-screen calipers allow for easy, precise measurements.
- + Patient diary time entries for coordination of results.
- + System provides a 30-second, compressed full-disclosure display.
- + Superimposition features a single or multi-beat mode complemented with a 30-second compressed full-disclosure review and RR interval plot.

Proven accuracy for dependable results

The technically advanced Vision Premier system is used by thousands of clinicians throughout the world.

- + Vision Premier provides comprehensive data collection and reporting for up to 48 hours of three channel ECG recordings.
- + Studies conducted using the Massachusetts Institute for Technology and American Heart Association databases found that the Vision system consistently delivers results with 99.95% accuracy.
- + ECG verification during patient hook-up ensures signal quality on screen before the patient leaves the office, saving time and increasing patient convenience.
- + System algorithms, based on a culmination of more than 25 years of research, automatically identify abnormalities and compile them into easy-to-read reports.

Reports the way you want them

In just minutes you'll have complete printed reports in your hands – in the format you choose. And you can preview them on screen first. It's fast, easy, and convenient. Reporting options include:

- + HR/ST trend graphs, highlighting areas of concern for easy identification.
- + Choice of full-sized diagnostic ECG strips or paper and time-saving “mini” format.
- + Fax or e-mail final reports.
- + Full disclosure reports print all or any part of a patient's 24- to 48-hour recordings in various formats, such as one, two, or three channels at 10, 30, or 60 seconds per line.
- + Comprehensive ST Report with each ST episode including deviation, slope, duration, and heart rate at onset/offset.
- + Customizable physician comments can be added before printing.

You won't find an easier system with this much power

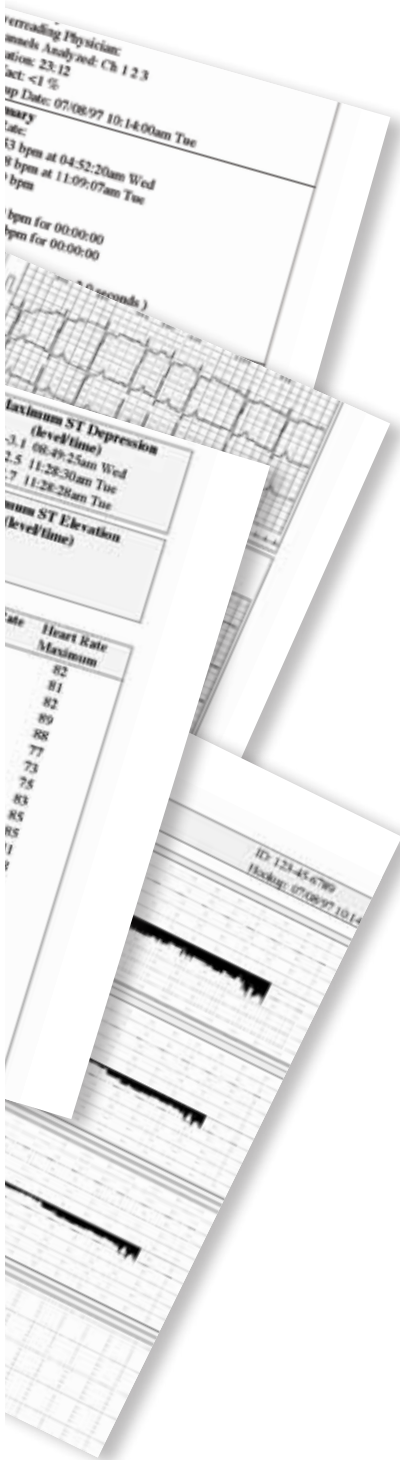
Vision Premier's advanced functionality, easy-to follow icons, logical on-screen command buttons, pull-down menu, and point-and-click accessibility make it easy to get results quickly.

- + QuickStep Wizard guides you through each phase of Holter testing with easy-to-follow menus.
- + Tested to work with Microsoft® Windows® XP and Vista® Home Premium so Vision Premier runs on today's latest software and hardware.
- + It takes just one step to change display formats or add ECG strips.
- + In the full-disclosure review, the normal, paced, artifact, supraventricular, and ventricular beats are coded with different colors to make review easy.

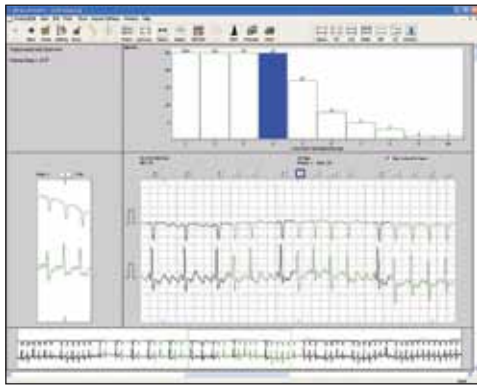
Access and exchange Holter data wherever and whenever you want

With Vision Premier you can access and exchange Holter data whenever you wish throughout your healthcare delivery system. Just imagine the flexibility, freedom, and control this provides.

- + Use Vision Premier's optional Vision Remote to access and manipulate Holter data – any time of the day or night from any PC.
- + Immediately fax reports directly from your Vision Premier PC.
- + Vision Premier is compatible with most popular networking systems, including Microsoft and Novell®, so accessing and sharing data from workstations on your existing network is easily accomplished.
- + E-mail summary reports to other locations for review and editing using software or the custom viewer provided with Vision Premier.



Choose among these system options to expand functionality

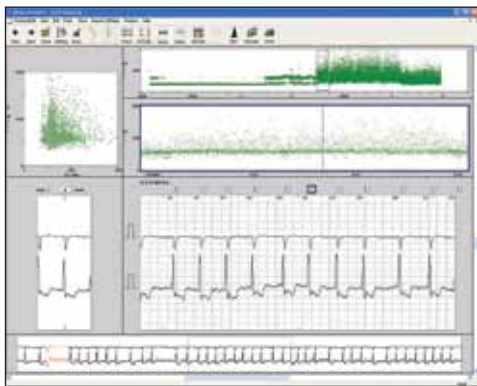


Arrhythmia review screen provides detailed analysis of the severity and frequency at a glance.

A variety of optional software tools provide additional capabilities to meet specific needs.

Heart rate variability software

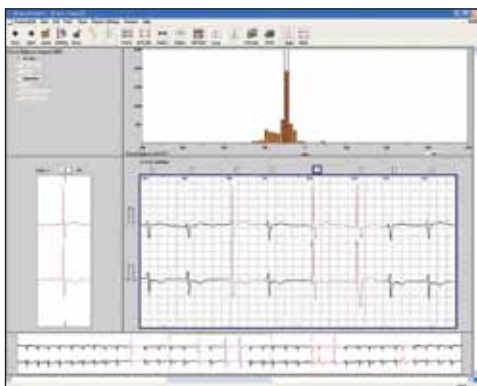
HRV software analyzes regulation of the sinoatrial node, the natural pacemaker of the heart. It measures the balance between sympathetic and vagus nerve activity, providing an indirect measure of heart health. The Vision Premier Holter System performs data trending in both time and frequency domains allowing the flexibility required to care for a variety of patients.



The tachogram plot of R-R intervals highlights episodes of atrial fibrillation and flutter.

Pacemaker analysis software

The system software detects atrial- and ventricular-pacer spikes from an internal pacemaker, tracking patient pacer activities through sense, capture, fire, and miscapture scenarios.



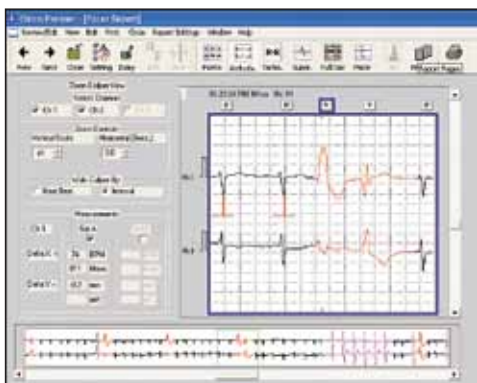
The unique pacemaker software provides detailed analysis of pacemaker functionality.

Research mode software

Use the optional research mode software for detection and sampling of the patients' ECGs at rates up to 1,000 samples per second. This allows accurate observation and detection of a number of various cardiac arrhythmias. Research mode is generally used by universities and other research-oriented facilities. (Requires the Burdick 5LR recorder.)

HL7 communications software

Industry-standard HL7 enables communication between Vision Premier and various information systems, including the suite of HeartCentrix data management solutions from Cardiac Science. Using a standard communication protocol, this program transfers Holter records for access and storage in a networked environment.



On-screen calipers allow precise measurement of QRS intervals and amplitude.

Remote mode

Vision Remote provides the ability to download data from a remote location and transmit to a central reviewing facility. This remote application allows for rapid turn around of patient data and medical treatment when necessary. This tool is ideal for situations where Holter tests are performed at one location and interpreted at another.

The BURDICK® Vision™ Premier Holter System

TECHNICAL SPECIFICATIONS	
COMPUTER REQUIREMENTS	
OPERATING SYSTEM	Windows XP Professional or Windows Vista Home Premium (32-bit versions)
PROCESSOR	Intel 2.0 GHz or better
MEMORY	512 MB RAM or greater
HARD DRIVE	80 GB or greater
FREE HARD DRIVE SPACE	<ul style="list-style-type: none"> • 12 MB for the Vision Series application • 8 MB for electronic manuals (optional) • 250 MB for instructional AVIs (optional)
ARCHIVE MEDIA	CDR or CDRW drive
DISPLAY	17 in (432 mm) or larger SVGA monitor and display adapter supporting 1024 x 768 resolution and large fonts
KEYBOARD AND MOUSE	101-key enhanced
PRINTER	HP PCL-5 compatible printer (laser or inkjet), USB 2.0 recommended, print resolution of 600 dpi or better
USB PORT (2.0 RECOMMENDED)	For compact flash card reader
OPTIONAL	
FAX/MODEM	at 56K baud
ETHERNET CARD	10/100 Mbps minimum
THIRD PARTY SOFTWARE	
ROXIO DIRECT CD	ROXIO Direct CD version 5.0C up to 9.0 is required in order to back up and restore the Vision Series Software patient reports to a CDR or CDRW media for Windows XP Professional operating systems. (Not required for systems running Windows Vista Home Premium)
PRINT NOW	Allows the user to print the screen display on the monitor (Windows 2000 or lower)
ADOBE® ACROBAT® READER V6.0 OR LATER	Allows viewing of manuals online

NOTES

- + System performance on customer supplied computers is the responsibility of the customer.
- + System security, access, and privacy of patient data is the responsibility of the customer.
- + If the computer is to be connected to a customer network, the customer must assign the IP-network address.
- + Anti-virus scanning software should be installed and is the responsibility of the customer.
- + Customer is responsible to provide hardware that meets the required country-of-origin regulatory standards.
- + Customer is responsible for applying security updates and patches to the system in accordance with their internal policies.

ORDERING INFORMATION

SYSTEM OPTIONS		
V51-	X	X
1		English language option
6		International language option
	D	Single 92514-01 Vision 5L digital recorder
	E	2-pack 92514-01 Vision 5L digital recorder
	F	5-pack 92514-01 Vision 5L digital recorder
	G	USB compact flash reader for use with digital recorders
	I	Pacemaker analysis software option
	J	Heart rate variability software option
	V	HL-7 Communication software
	W	Research mode software option

EXAMPLE CONFIGURATION		
V51-	1	EGJ Vision Holter Premier Software, English Language with USB compact flash reader, 2 Vision 5L Digital Recorders, and HRV SW options

ACCESSORIES AND UPGRADES	
92514-01	Burdick Vision 5L Digital Holter Recorder
92515-01	Burdick 5LR Digital Research Holter Recorder
010-1640-00	128 MB Compact Flash Card (For 92514-01)
40-00054-01	1 GB Compact Flash Card (For 92515-01)
043250	Patient prep kit
063-1690-00	Remote retrieval mode software option

Complete systems with computers, printers, and monitors are also available; contact your local Cardiac Science representative for ordering information.

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