Surveillance and Networking

IntelliVue Information Center

Central surveillance and clinical decision support

PHILIPS

Surveillance plus advanced

IntelliVue Information Center combines the real-time monitoring surveillance of a central station with sophisticated clinical decision support tools. The Information Center can capture complete waveforms, trends, alarms, and numerics from networked Philips patient monitors and telemetry systems, as well as the HeartStart MRx Monitor/Defibrillator.*
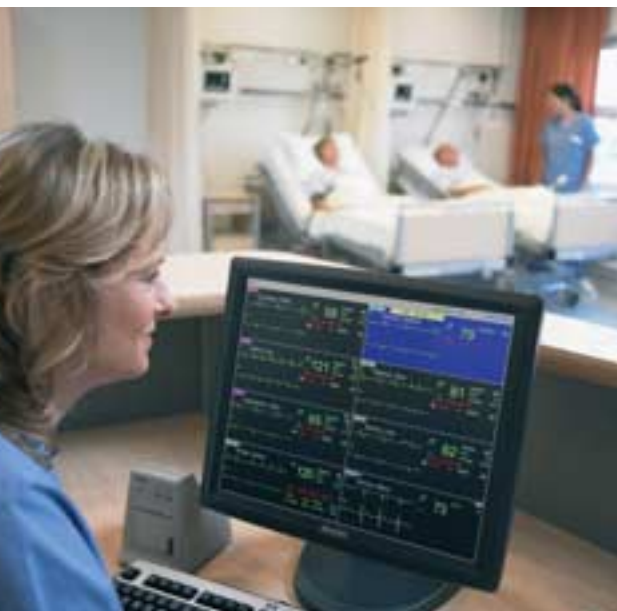
The Information Center is equipped with innovative Philips portal technology, which provides ready access to data from web-enabled applications on the hospital network. Monitoring data can be viewed together with digital radiology images, archived data, lab results, reports, protocols, and other information conveniently and logically on the display.

Intuitive user interface
No special computer expertise is needed to work with the Information Center since it uses familiar Microsoft Windows® screens, menus, and navigation commands. Our Help application provides contextual information and instructions from any screen.

Key features of the IntelliVue Information Center
- Continuous surveillance monitoring of wired, wireless, and telemetry beds
- Clinical decision support tools, including real-time trend display and retrospective review applications
- Secure web access with multi-patient views
- Scalable to support 4 to 1,920 patients with up to 96 hour Full Disclosure
- HL7 data export to the IntelliVue Clinical Information Portfolio and other clinical information systems
- Inbound ADT interface
- Direct ECG export to Philips Holter System, TraceMasterVue, and other cardiology management systems
- Integrated paging controls, including waveform paging
- Portal technology for access to web-enabled hospital applications, such as PACS and LIS
- Research data export

* Wireless HeartStart MRx networking available only with the IntelliVue 1.4 GHz wireless network. Wired MRx networking available only in the US.

clinical decision support

Main screen displays real-time waveforms and parameters for up to 16 patients.

Patented back-lighting makes it easy to recognize alarms by highlighting the entire patient sector. Blue, yellow, and red alarms indicate the level of urgency.

Volume indicator now on main screen.

ST/AR is a gold-standard algorithm from Philips that provides continuous multi-lead analysis of ST segments and arrhythmia detection with highly accurate, proven performance.

Pair **telemetry transceiver with a bedside monitor** to view all parameters in same window.

Device location helps staff track down missing telemetry transceivers.

Battery gauge appears in patient sector for telemetry devices and transport monitors.

Touchscreen operation makes many functions directly accessible through simple commands.

Portal technology opens a window for access to hospital applications, such as PACS and LIS.

Trend display brings ST Map, horizon display, and other screen trends available on the bedside to the central station.

ST Contour displays ST measurements in a very compact graphical format.

USB 2-channel recorder is designed to be environmentally friendly. A 4-channel serial recorder is also available.

Contextual online help for every screen and function, plus a quick start tutorial that covers all the basic functionality in approximately 15 minutes.

Clinical Review

The Information Center's Clinical Review Applications provide detailed
retrospective analysis of your patient's condition. With full disclosure,
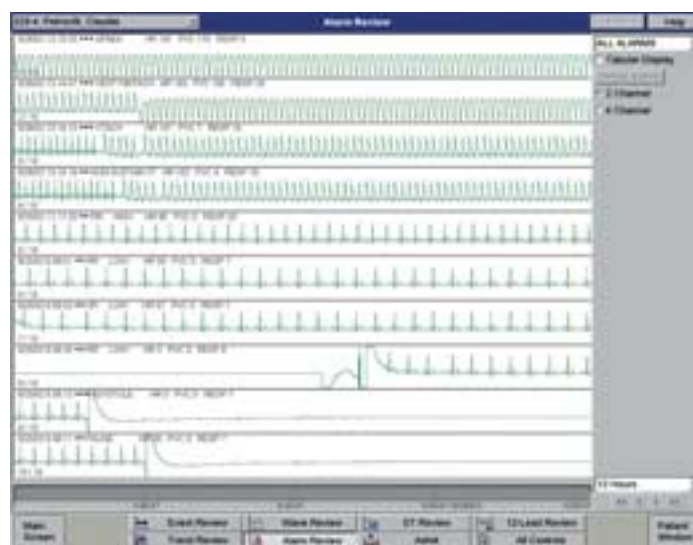you can review the last 96 hours of physiologic data.

Wave Review provides continuous full disclosure of any four waveforms. Zoom in or out as needed. Electronic callipers measure waveforms on screen. No need to print strips.

Event Review supports decision making by providing a coherent summary of past physiologic events. Event Review can store one event per minute per patient.

ST Review presents ST snippets from selected ECGs, including monitoring of conventional and EASI* derived 12-lead.

* EASI derived 12-lead ECGs and their measurements are approximations to conventional 12-lead ECGs and should not be used for diagnostic interpretations.
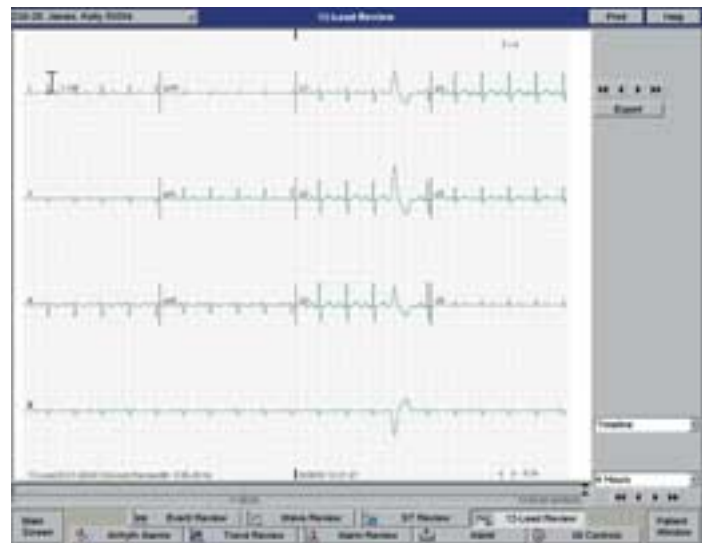

Alarm Review saves and displays alarms simultaneously so you can assess your patient's alarm history on one easy-to-read screen. Up to 150 30-second alarm strips can be saved.
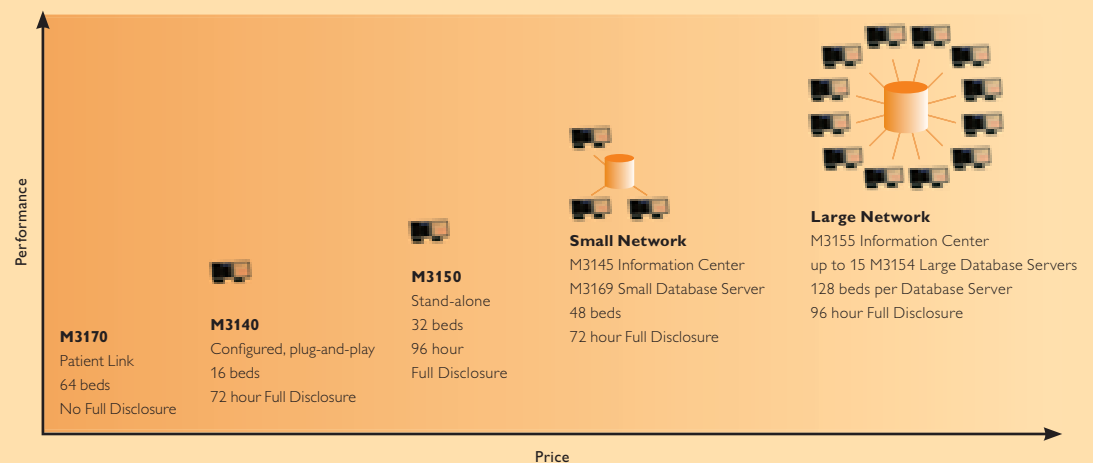
Applications
and Analysis Tools

Trend Review shows at a glance how your patient's condition is changing over time. Graphical and tabular configurations of physiologic parameters can be displayed together or separately.

12-lead Review stores up to 10 conventional diagnostic or EASI derived 12-lead ECGs per patient for serial comparison.

Build your ideal Information Center

Whether you have 4 beds to manage or 1,900+, you will find configurations and options for the IntelliVue Information Center to suit your needs. You can choose different levels of remote access, number of displays, and much more.

Performance / Price

M3170
Patient Link
64 beds
No Full Disclosure

M3140
Configured, plug-and-play
16 beds
72 hour Full Disclosure

M3150
Stand-alone
32 beds
96 hour
Full Disclosure

Small Network
M3145 Information Center
M3169 Small Database Server
48 beds
72 hour Full Disclosure

Large Network
M3155 Information Center
up to 15 M3154 Large Database Servers
128 beds per Database Server
96 hour Full Disclosure

The flexible, wired/wireless Clinical
It all works

The IntelliVue Clinical Network is the enabling framework for your clinical data flow

The IntelliVue Clinical Network is designed specifically to manage the flow of time-critical, round-the-clock patient monitoring data. Isolation (physical and/or logical) protects the network from many of the day-to-day hazards of business networks, including viruses and transmission delays.
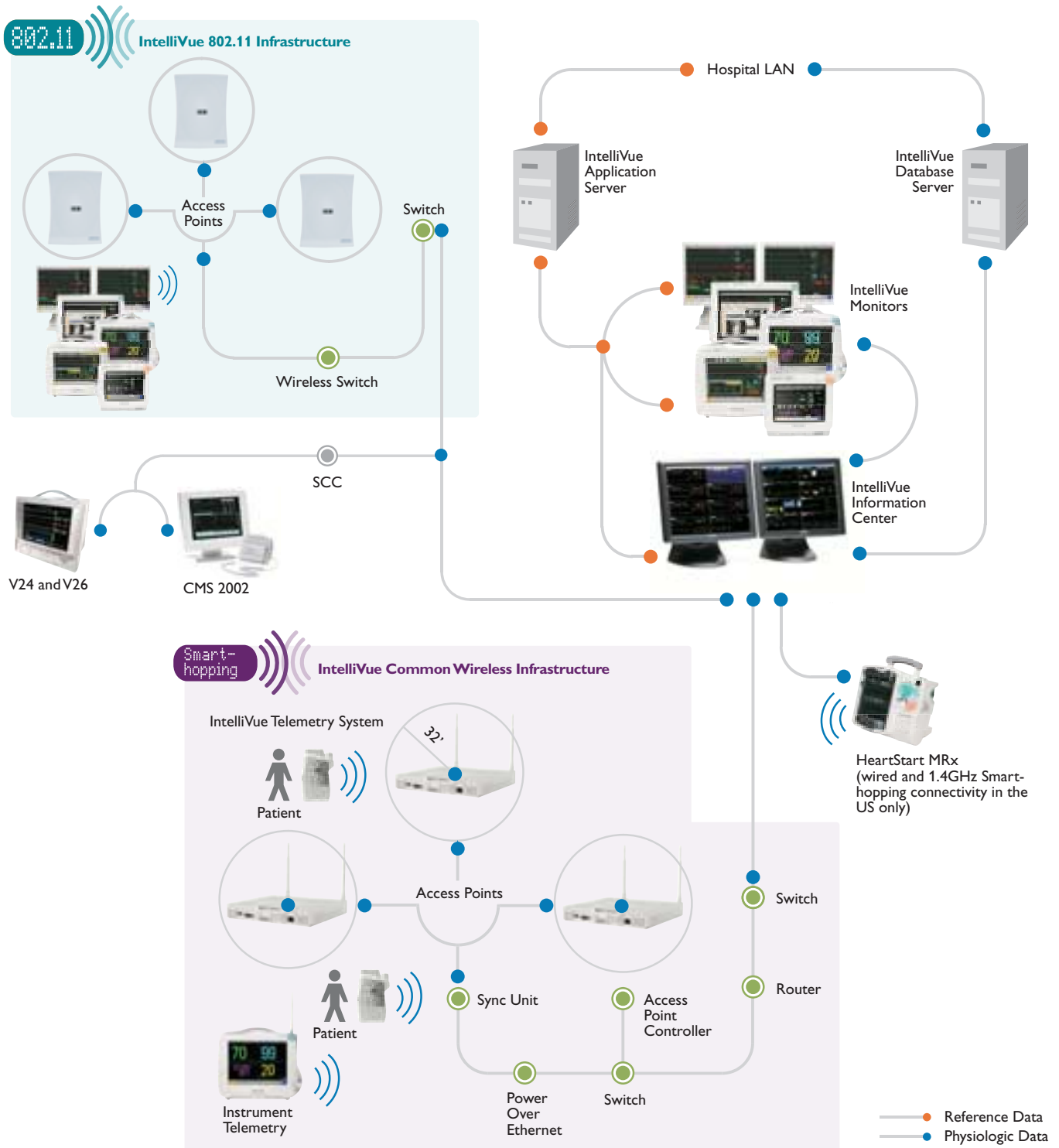
At the same time, the IntelliVue Clinical Network can maintain a controlled connection with the hospital LAN so that useful patient information – such as lab results or PACS images – can be delivered to the bedside monitor or central station without the risk of disrupting the flow of physiologic data or alarms.

Main components of the IntelliVue Clinical Network

- IntelliVue Database Server provides short-term data storage (up to 96 hours) and transfer across the clinical network and facilitates data interchange with the hospital LAN via HL7
- IntelliVue Application Server opens a window on the IntelliVue Patient Monitoring System to deliver remote clinical applications
- Tunneling Control Engine protects and prioritizes real-time monitoring waveforms and alarms over other traffic on the clinical network
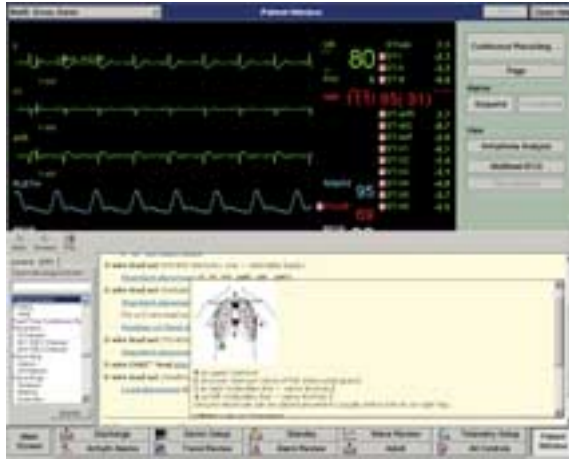- Industry Standard Components Cat 5/6 cabling and standard switches

Network Infrastructure:
together

802.11 IntelliVue 802.11 Infrastructure

Access Points

Switch

Wireless Switch

Hospital LAN

IntelliVue Application Server

IntelliVue Database Server

IntelliVue Monitors

IntelliVue Information Center

SCC

V24 and V26

CMS 2002

Smart-hopping IntelliVue Common Wireless Infrastructure

IntelliVue Telemetry System

Patient

32'

Access Points

HeartStart MRx
(wired and 1.4GHz Smart-hopping connectivity in the US only)

Switch

Router

Patient

Sync Unit

Access Point Controller

Instrument Telemetry

Power Over Ethernet

Switch

● Reference Data
● Physiologic Data

Help whenever you need it

Help is always available and always relevant on the IntelliVue Information Center. Want a quick review of arrhythmias before starting a rotation in a cardiac care unit? Need to know how the electronic calipers work? It's all there.

The Help function covers all the features of the Information Center along with useful clinical reference material such as lead placement diagrams for ECG.

The Getting Started tutorial gets new users up and running very quickly.

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