

UbiqVue™ Multiparameter

Technical Overview

FDA-cleared Cloud-Based System Enables Scalable Active Patient Monitoring Across Hospital and Out-of-hospital Care Settings



Highly Scalable Solution

Cloud based continuous near real-time vital sign monitoring system for patient populations located in hospital wards, community healthcare facilities and at home.

Latest Biosensor Technology

Continuous biodata collection and transmission at an affordable cost, using a disposable wearable Biosensor that is comfortable to wear and with minimal disruption to patient's mobility and daily routine including showering and sleeping.

Clinician-centric Platform

Secure web portal and mobile device app provides anywhere access to view near real-time multi-patient continuous vital signs and trends. Clinical teams are supported by customizable, actionable visual alarms and alert generation in near real-time for responding to and prioritizing early deterioration.

Compatible with Wearable Biosensors:

- UbiqVue 2A Biosensor*
- UbiqVue 1AX Biosensor

Patient-centered, data driven care, designed for large-scale deployment



- Healthcare System Service Providers



- Hospital Systems

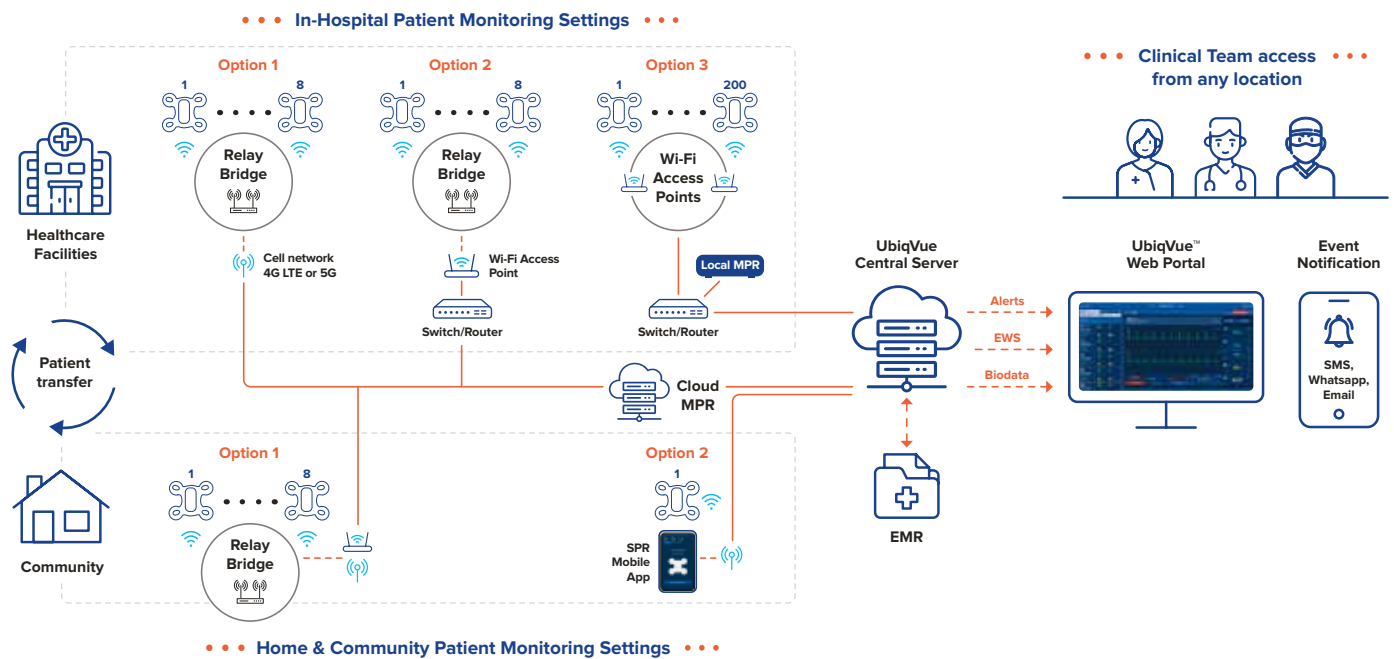


- Established Healthcare OEMs

Technology designed to automate healthcare delivery

UbiqVue is the first FDA-cleared, proven, wireless active patient monitoring system produced for mass deployment.

UbiqVue Multiparameter Architecture



System Components

<h3>Wireless Biosensors & Connected Devices</h3> <ul style="list-style-type: none"> Wireless, continuous collection and transmission of biodata to generate 12 parameters** including SpO₂ and ECG Clinical grade blood pressure data via optional Bluetooth-connected accessories 	<h3>Active Patient Portal & Alert Notification</h3> <ul style="list-style-type: none"> Comprehensive view of continuous, near real-time vital signs, visual alarms and trends Automated EWS & vital sign deviation notifications <i>In development*:</i> Active Patient Monitoring App 	<h3>Patient Onboarding Apps</h3> <ul style="list-style-type: none"> Fast onboarding in medical facilities or at home 	<h3>End-to-end Continuous Monitoring System</h3> <ul style="list-style-type: none"> Seamless monitoring of patients to and from home and healthcare facilities Patient monitoring in healthcare facilities via access point conductivity and in community settings via mobile device conductivity 	<h3>EMR Integration</h3> <ul style="list-style-type: none"> Patient record continuity
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Scalable active patient monitoring without boundaries

Rapid expansion of patient monitoring in hospital and out-of-hospital settings.

Benefits to the Medical Facility

- **Scalable** patient monitoring within and beyond hospital settings
- **Reduced system costs** - dramatically lower capex, **typically ~\$3K to cover a ward** including fixed, maintenance, storage, decontamination
- **Early discharge and pre-admission** active patient monitoring capability

Benefits to the Clinician

- **Customizable smart alerts** for reduced alert fatigue
- **Anywhere access** for enhanced staff productivity and informed health predictions
- **Uninterrupted patient monitoring** during transfer and personal care management

Benefits to the Patient

- **Comfort and mobility** during activities of daily living including showering and sleeping
- **Non-disruptive** and replaces need and disturbances caused by frequent vital spot checks



Scalable vital sign monitoring without boundaries

Dramatically lower capex, typically ~\$3K to cover a ward

For more information visit www.lifesignals.com

UbiqVue Multiparameter Specification

Use case support	Wireless healthcare facilities, Hospital-driven care at home, In-hospital cardiac telemetry
Simultaneous active patient monitoring support	Scalable system. No maximum limit for the number of patients that can be simultaneously monitored across use cases
User access & configuration	<ul style="list-style-type: none"> System access and compatibility <ul style="list-style-type: none"> Wireless Monitoring Portal: any web browser Wireless Monitoring App*: Android/iOS mobile device Role and group-based system for patient data access, and alert delivery and configuration. <ul style="list-style-type: none"> Roles: Admin, Physician, Nurse, Staff Nurse (role names are configurable) Groups: location (configurable, e.g., ward, department) and medical condition (configurable, e.g., cardiac, sepsis) Scalable system. No maximum limits for the number of users or groups
Alert capabilities	<ul style="list-style-type: none"> Alert categories <ul style="list-style-type: none"> <i>Clinical</i> (Heart Rate, SpO₂, Pulse Rate, PPG, Respiration Rate, Skin Temperature, Body Temperature, Posture, Motion, Systolic, Diastolic) <i>Technical</i> (Lead Off, Low Battery, Wireless Disconnection, Server Communication Disconnection, Replace Biosensor) <i>Manual</i> (Patient or Clinician-initiated Event) Alert Configuration <ul style="list-style-type: none"> Alert Thresholds (Low and High for each clinical parameter,) Alert delay time (configurable) Alert Priority (Low, Medium and High, based on configurable alert acknowledgement frequency and breakthrough settings) Default settings can be set for location groups or clinical condition groups. Configurable for individual patients. Alert delivery methods (configurable) <ul style="list-style-type: none"> SMS WhatsApp Email Active Monitoring Portal Active Monitoring App* Additional alerting functions <ul style="list-style-type: none"> Alert acknowledgement with configurable reminder and escalation features Alert forward on demand
Patient Monitoring User Views	<ul style="list-style-type: none"> Multi Patient Dashboard (summary live display of monitored parameters & alert status, 8 & 18 patient grid options with page scroll of all patients, filter capabilities for auto selection of patients) Single patient Detailed view (detailed live and trend views of monitored parameters, alert information, settings & status, and patient demographics) All Current Patients (search and filter capabilities) All Active & Recent Clinical alerts (search and filter capabilities) All Active Technical Alerts (search and filter capabilities) All Active & Recent Alerts by Group (filter by location and medical condition)
Patient Onboarding	<ul style="list-style-type: none"> Patient registration (Wireless Patient Monitoring Portal and App* support) Skin preparation and biosensor placement guidance (GIF based demonstration, quality of ECG and SpO₂ signal feedback) Biosensor status indicator (Low Battery, Wireless Connectivity, Mobile Data / Internet Connectivity, Lead Off)
Data availability	Near real time (latency of less than 10 seconds with internet connectivity)
Data privacy & Security	HIPAA & GDPR compliant system
On-demand Patient Reports	<ul style="list-style-type: none"> Patient monitoring session report Heart Rate variability report
EMR Connectivity	Yes, API support
HIMS Connectivity	Yes, API support