

# Real-Time Streaming Cardiac Telemetry.

Live streaming ECG data\* enables ScottCare's TeleSense™ to provide you with live patient visibility, analysis and wireless transmission of ECG data and arrhythmia events for easy management of your symptomatic and asymptomatic cardiac event patients.

## BENEFITS

- **Works with any cellular network** via MiFi
- Cell transmission of ECG data helps **ensure patient compliance and reduce likelihood of human error**
- Remote device configuration offers convenience and **the ability to adjust monitoring protocols on the fly**
- Event processing platform enables **efficient receipt and triage of events**, with optional holter analysis of 24 hours or more of ECG data
- Auto-transmit **improves patient compliance**
- **Correlate patient symptoms to changes in electrical activity in the heart**
- Web-accessible reporting software offers **advanced administrative and clinical queries at your convenience**
- Optional EHR integration **eliminates paper headaches, increases efficiency and improves accuracy of patient event reports**



\*WiFi-based connection required for live streaming.

## FEATURES

- **WiFi-based Remote and Local Communication**
- **Multiple Monitoring Options**  
TeleSense provides MCT, Event and Holter monitoring
- **Long-Term Monitoring**  
Up to 30 days of continuous ECG recording and storage
- **Bi-Directional Communication**  
Access device and all recorded data
- **Remote Device Configuration**  
Programmable via cable or online cell or WiFi connection
- **Auto-Trigger & Auto-Transmit**  
Includes bradycardia, tachycardia, pause and atrial fibrillation
- **Single-Button Event & Transfer**
- **Detailed Reporting**  
Generate daily heart rate trends, end-of-session reports, interim and summary stats
- **Proven Diagnostic Accuracy**  
Three lead configuration records three continuous ECG channels

live streaming • remote configuration

# TeleSense Workflow

## MONITORING PRESCRIBED



Physician orders ambulatory ECG monitoring and patient receives TeleSense monitor

## ACTIVE MONITORING



Patient- and auto-triggered arrhythmias plus heart rate trends sent automatically via Mifi or WiFi transmission

## INTERNET



Patient event data and ECG streaming sent in real time via internet

## APPLICATION



All patient events, heart rate data and arrhythmias received and processed from any web-connected computer

## REVIEW



Preliminary reports provided to physicians and other clinicians, enabling prompt and informed decisions

## EHR



Finalized physician report sent to patient's EHR

# TeleSense Technical Specifications

## MONITOR PHYSICAL CHARACTERISTICS

**Dimensions:** 3.7" x 2.3" x 0.7" (9.4 x 5.8 x 1.8 cm)

**Weight:** 4 oz (113 g)

## TECHNICAL CHARACTERISTICS

**Transmission Mode:** 802.11 Wifi

**RF Transmission Range:** 328' (100 m) open space

**Recording Period:** 3 channels, up to 30 days

## ELECTRICAL CHARACTERISTICS

**Number of Electrodes:** > 3

**Input Impedance:** > 20 Mohm

**Frequency Response:** > 0.05 - 100 Hz

**Pacer ID:** Yes, 2mV to 700mV, 100usec. to 2msec.

**Dynamic Range:** ± 5mV

**DC Offset:** ± 400mV

**CMMR:** 80 dB @ 60Hz minimum

**Defibrillation Recovery:** Within 8 seconds

## ENVIRONMENTAL CHARACTERISTICS

**Operating Temperature:** 50°F to 104°F (10°C to 40°C)

**Transport & Storage Temperature:** -4°C to 149°F (-20°C to 65°C)

**Relative Humidity:** 25% to 95% RH, nc

## RECORDING RESOLUTION

**Samples per Second:** 128

**Sample Resolution:** 8, 10, 12 bits

## BATTERY

**Battery Type:** Rechargeable 3.7V lithium ion

**Battery Life:** 50 hours before recharge

**Reverse Battery Protection:** Yes

**Low-Battery Signal:** Yes

**On/Off Indicator:** Yes