QOCA® smart device
QOCA ecg101

QOCA ecg 101 is designed for measuring single lead ECG and calculating the heart rate in hospital or at home. An unique wearable design improves the discomfort of long time wearing. Users can collect and stream continuous ECG signal even in shower, for up to 14 days without having to replace the battery. QOCA ecg provides open and secure data architecture for AI research and developing.

1:1 Actual Size

1 SENSOR 3 MODES

Ward Mode
- Efficient and Accurate
- Alarm for Emergency
- Smart Patient Tracking

In-Ward Monitoring

QOCA ecg101 w/ Foam Patch

QOCA Gateway

Holter Mode
- Flexible ECG Recording
- Light and Comfortable
- AI-supported Analysis and Report
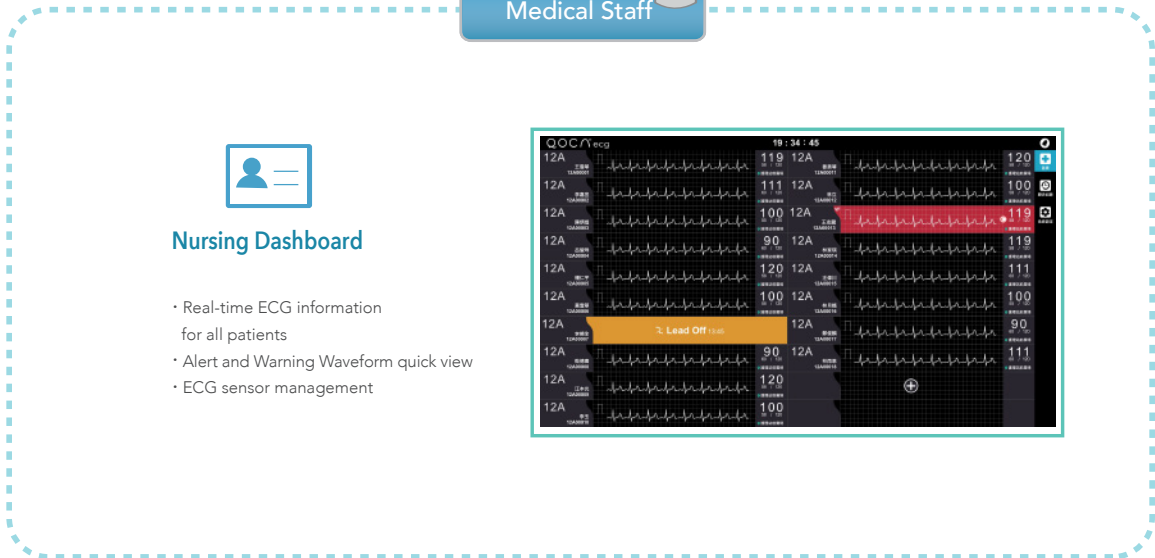- Measure and Store for up to 14 days

14Days Holter

QOCA ecg101 w/ Patch

Tele-monitoring

Tele-monitoring Mode
- Regular / Trigger Recording
- Irregular Heart Rhythms
- Alarm for Abnormal Situations

In-Ward Monitoring

QOCA®

Medical Staff

Nursing Dashboard

· Real-time ECG information
  for all patients
· Alert and Warning Waveform quick view
· ECG sensor management
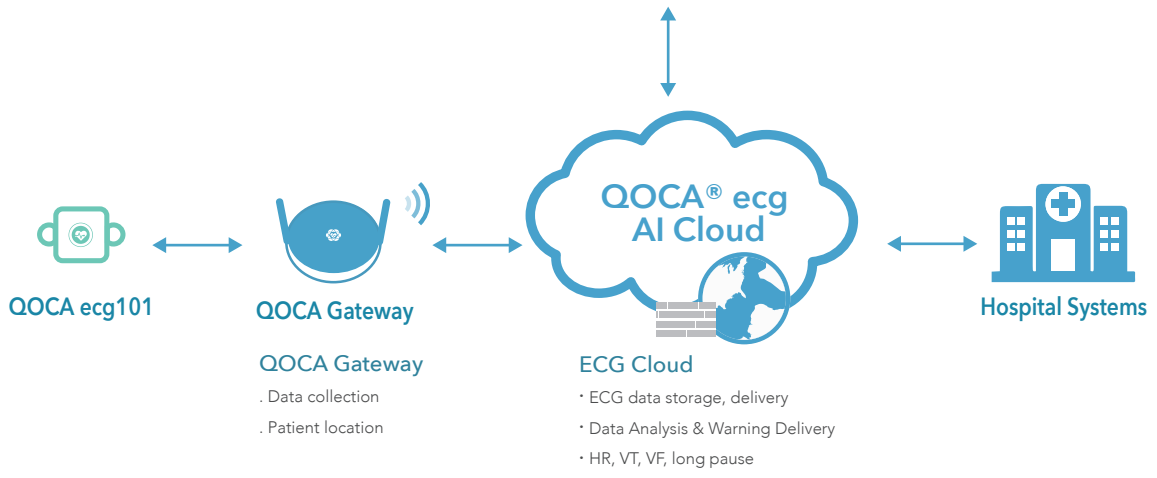
QOCA ecg101

QOCA Gateway

QOCA Gateway
. Data collection
. Patient location

QOCA® ecg AI Cloud

ECG Cloud
· ECG data storage, delivery
· Data Analysis & Warning Delivery
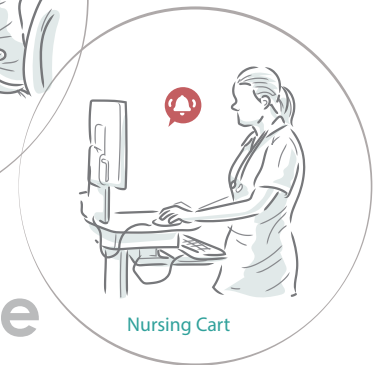· HR, VT, VF, long pause

Hospital Systems

Smart Patient Tracking
· Patient Location Information

Efficient and Accurate
· Easy to setup and put on within minutes
· Accurate ECG data for doctors and nurses
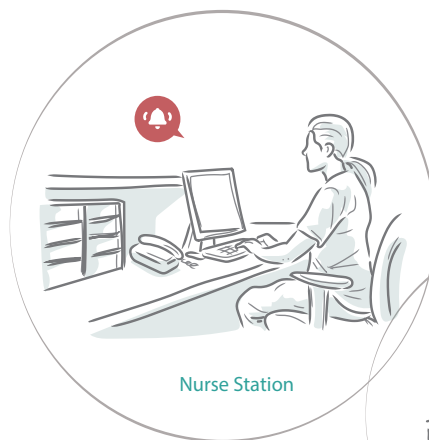
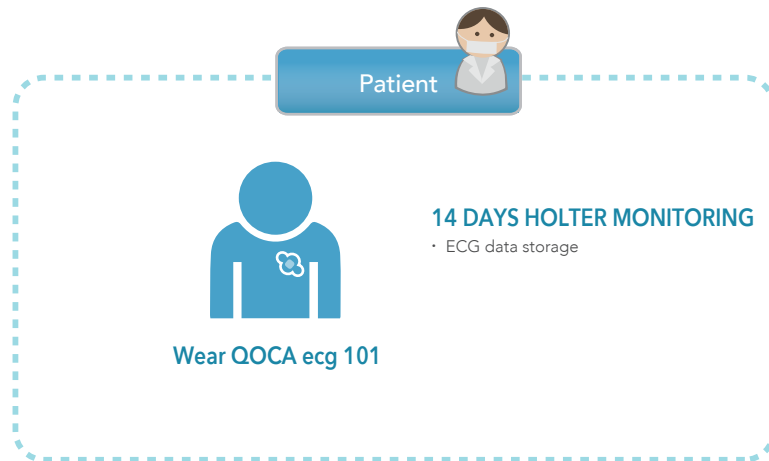**Ward Mode**

Nurse Station

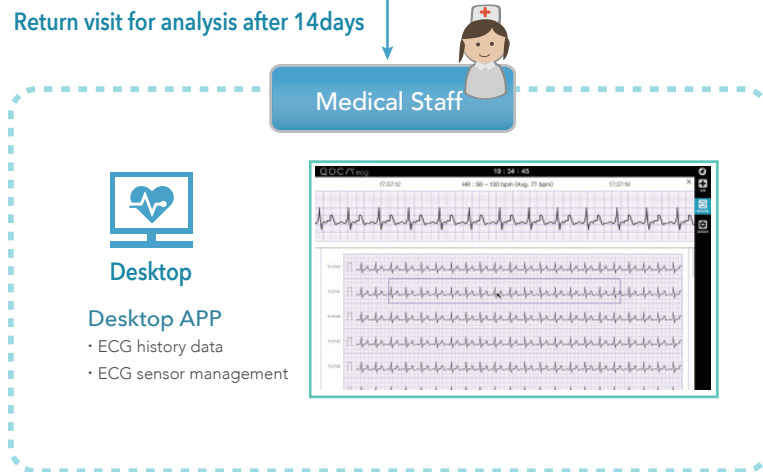Nursing Cart

14Days Holter

Flexible ECG Recording
· Up to 14 days ECG recording

Light and Comfortable
· Light-weighted, compact, comfortable
· Continue the day-to-day activities
  like shower, exercise

Patient

14 DAYS HOLTER MONITORING
· ECG data storage

Wear QOCA ecg 101

Return visit for analysis after 14days

Medical Staff

Desktop

Desktop APP
· ECG history data
· ECG sensor management

Hospital Systems

QOCA® ecg AI Cloud

ECG Cloud
· ECG data storage, delivery
· Data Analysis & Warning Delivery
· HR, VT, VF, long pause

Holter Mode

Hospital - Wear & Use

14 Days
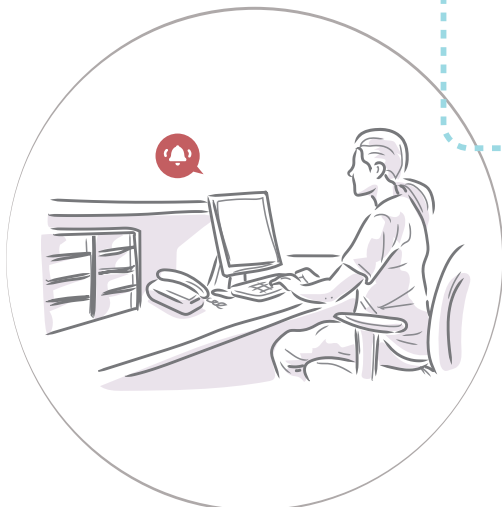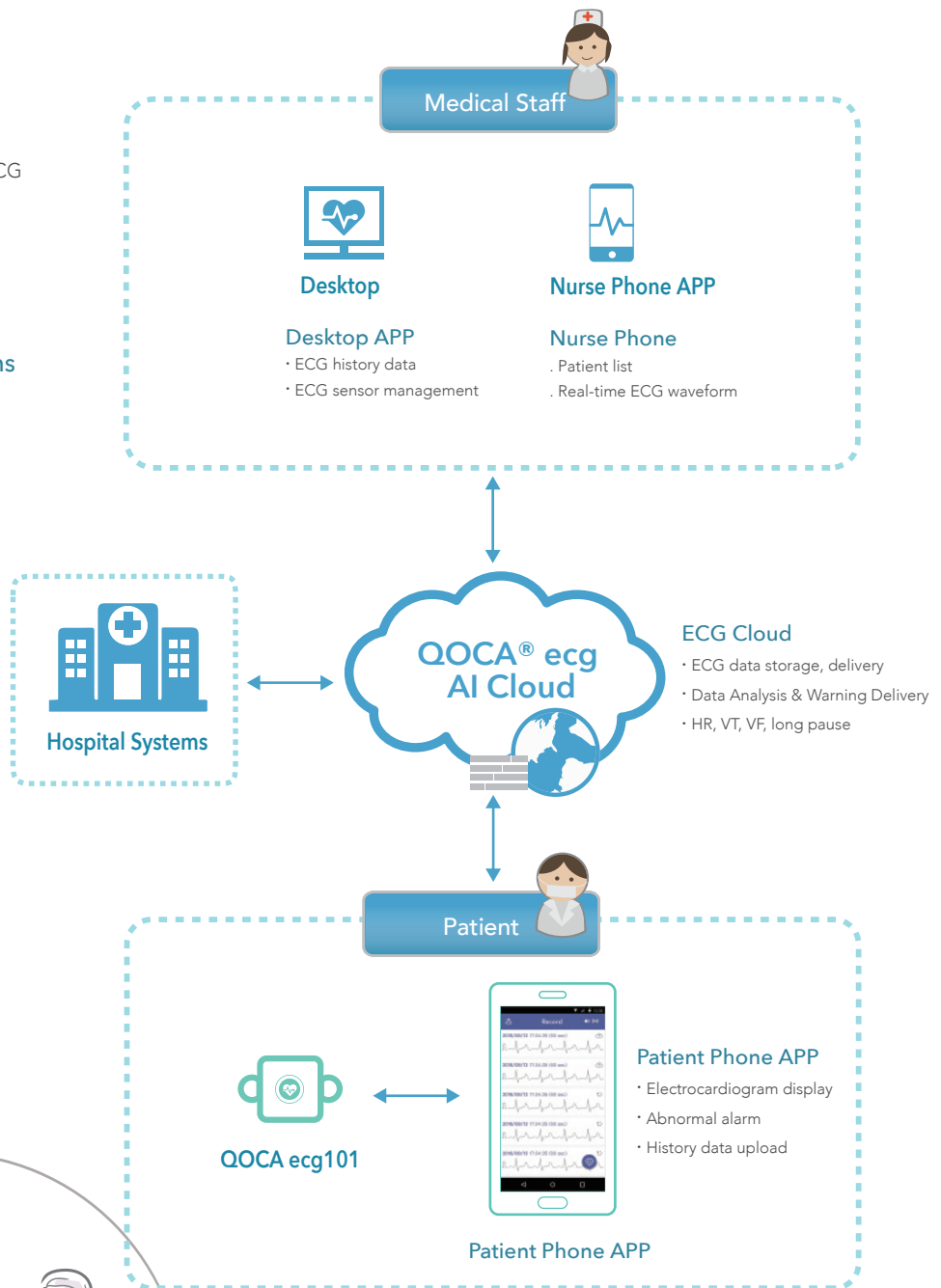
Hospital - Analyze & Report

Tele-monitoring

Regular / Trigger Recording
- Spot check (e.g. recording 90s of ECG every 10 mins)
- Record on demand
- Patient trigger event recording

Alarm for Abnormal Situations
- Send alarm to medical staff
- By SMS or QOCA ecg APP

Medical Staff

Desktop

Nurse Phone APP

Desktop APP
- ECG history data
- ECG sensor management

Nurse Phone
- Patient list
- Real-time ECG waveform

Hospital Systems

QOCA® ecg AI Cloud

ECG Cloud
- ECG data storage, delivery
- Data Analysis & Warning Delivery
- HR, VT, VF, long pause

Patient

QOCA ecg101

Patient Phone APP
- Electrocardiogram display
- Abnormal alarm
- History data upload

Patient Phone APP

Tele-monitoring Mode

QOCA® smart device
QOCA ecg1201

Superior Quality of Care – the first and only compact, wireless, and cloud-based 12-lead ECG available for home use. QOCA ecg 1201 is wireless, digital and high quality. It utilizes smart mobile devices and manages in the cloud. There are many places with needs for accurate ECG but could not get it before – now QOCA ecg 1201 is the perfect solution!

Cost-Efficiency
• Reduce unnecessary ER visits
• Mitigate errors and costs from wrong lead placement
• Provide timely diagnosis and management decision

Time Efficient
• Perform a standard 12-lead ECG in 3 minutes
• Save 70% procedure time
• Streamline office workflow
• All ECGs are managed in the cloud with easy EMR integration

Better Quality of Care
• Simplifie lead placement to reduce errors and variations
• Enable remote care and monitoring
• Provide timely care anytime from anywhere
• Easily applied by patients at home, requiring minimal training

Product spec
QOCA ecg101

	In-Ward Monitoring	**14Days Holter**	**Tele-monitoring**
Patch	Foam Patch Patch	Patch	Foam Patch Patch
Charger	QOCA ecg101 Charger Pack	QOCA ecg101 Charger Pack	QOCA ecg101 Charger
Gateway	QOCA Gateway (XI2)	-	Smartphone (iOS/Android)
Patient Phone	-	-	QOCA ecg App
Nurse Phone	-	QOCA ecg App	-
Desktop	QOCA ecg ward dashboard	QOCA ecg holter analyzer	QOCA ecg management tool
Cloud System	QOCA ecg AI cloud	-	QOCA ecg AI cloud

QOCA ecg101
up to 14 days

QOCA ecg102
up to 5 days

Channel	Single Channel (Lead II)
Recording Mode	Configurable (Continuous/ Event record/Spot Check)
Sampling Rate (Hz)	Configurable (128, 256, 512, 1024)
Connectivity	Bluetooth Low Energy
IP Rating	IP26
Weight	QOCA ecg101 Sensor : 24.5 ±0.5g
	QOCA ecg102 Sensor : 18.5 ±0.5g
Dimension (mm)	QOCA ecg101 Sensor : 39 x 39 x 11.2
	QOCA ecg102 Sensor : 39 x 39 x 8.2
Indicator	2 LEDs
Button	Power / Event trigger

QOCA® smart device
Wi-Fi Otoscope Pro

· Support AR assisted diagnostics
· Support EMR
· Archiving and tracking of patient data
· Sharing and consulting patient's status in real-time

QOCA Q-tube Wi-Fi Otoscope Pro awards improved clinical experience and diagnostic quality for both the physician and patients.
The simplified interface allows the physician and patient to have a shared view on diagnostics such as the ear canal and tympanic membrane.

The unified design allows easy capturing of clear images, and tracking of patient data.
The diagnostic data is seamlessly archived to avoid or justify medical disputes.

Great Image Quality

Video and Photo capturing

IMPROVING AND ENHANCING THE PHYSICIAN AND PATIENT EXPERIENCE AND CLINICAL QUALITY

Wireless design

Great image quality

Real time video streaming & on-line photo sharing

Snapshot during video recording and viewing

Li-ion battery

Power saving

Rapid wake up from hibernation

Adjustable focus

reddot design award
winner 2017