

product data



Tunstall Telehealth Monitors

Telehealth is a proactive case management system using technology to provide remote monitoring of the user's vital signs and other pre determined health measures.

Designed to support those living with single or multiple long term conditions, including Chronic Heart Failure (CHF), Chronic Obstructive Pulmonary Disease (COPD), diabetes and hypertension; the telehealth monitor enables the user to continue to live independently and better understand their health care, and therefore improve their health and lifestyle.

Remote monitoring of patients

Tunstall telehealth monitors enable the collection and transmission of a patient's vital signs to a clinical information system. The data can then be securely accessed by clinicians in order for them to make informed decisions about the patient's health and well being. The monitors are designed to be extremely patient friendly and are compatible with a wide selection of medical devices, offering flexibility and choice to patients and professionals. Common devices include weighing scales, blood pressure monitors, blood glucose monitors and peak flow meters connected via wired or wireless (Bluetooth/Infrared) technology.

Patient home use

Tunstall telehealth monitors are specifically designed for home use by the patient and contain a number of unique features that make them state-of-the-art and a cost effective patient management solution suitable for use by medical centres, hospitals, community nursing care, general practitioners and specialists.

Telehealth monitoring systems are ideal for

- Case management
- Early discharge
- Long term or chronic disease management

Ease of use

Each monitor has a large easy-to-read colour display, large buttons and audio announcements ensuring that usability is extremely simple and can be understood by all patient groups.

Symptom questions and event reminders

The Tunstall telehealth monitors are able to be configured to ask symptomatic questions and intelligently ask additional questions based on the users answer. This provides valuable focused information to the healthcare professional or carer and helps them understand any changes in vital signs measurements. The monitors can also be used to provide the user with simple self care support and reminders using onscreen text and an audio prompt at pre-set times of the day.

Tunstall's telehealth monitors support a wide range of different languages and local dialects where needed.



All the reassurance you need

Tunstall

Tunstall RTX telehealth monitors

Supporting the proactive case management of patients with complex needs



Key Features

- **Low cost solution** – enabling greater uptake of telehealth services
- **Colour display** – large and easy to read
- **Clear audio** – aids patient interaction and supports use for visually impaired people
- **Compatible with wide range of medical devices** – offering flexibility and choice
- **Flexible connectivity** – Connects via a standard phone line or mobile network (PSTN or GSM/GPRS)

Freedom and mobility for patients

Telehealth monitoring increases the quality of life of patients by offering a convenient means to comply with their daily health regime and avoid the need to frequently visit a hospital or doctors surgery. It also supports the patient to learn more about their condition which in turn leads to better self management.

Connects via standard infrastructure

The Tunstall telehealth monitor connects directly to a normal telephone line, meaning no specialist equipment or high speed internet connection is needed.

Where a telephone line is not available then a monitor with a built-in GSM/GPRS modem is available to take advantage of mobile communications.

Wireless range within a normal home

Built-in wireless Bluetooth technology with a range of up to 100 metres covers a normal home enabling compatible bluetooth or infrared vital signs monitors to interact with the monitors from anywhere in the user's home.

Low total cost of ownership

The monitor's built-in Plug & Play features enables quick and reliable installations while remote maintenance helps to reduce the overall cost of providing the service and increases the overall cost benefit of telehealth monitoring.

Flexibility

A very flexible JAVA-based script interpreter allows the monitor to adapt to specific handling of different medical conditions.

Data privacy

The monitors meet privacy standards and are HIPAA compliant; the communication between the monitors and the server is encrypted using SSL-128.

Functional Features

- Audio (using compressed audio files)
- Java script execution for dynamic implementation of question trees
- Communications via internet (TCP/IP, PPP, XML)
- Secure data transmission using SSL-128
- Drivers for most common used external devices
- Supervision timeout on devices
- Patient reminders
- Remote configuration
- Dial in on events or at a specified time of the day
- Remote firmware update

RTX3370 Server interface

- Modem – 14400 baud (upgradeable to 56k V90)

RTX3371 Server interface - coming soon*

- Quad-band GSM/GPRS modem – GPRS class 10
- Built-in antenna

* pending Telecom certification

Vital sign monitor interface

- Bluetooth (100 mW – up to 100 m range)
- Infrared interface for peripheral devices (IrDA)
- RS-232 for peripheral devices and configuration
- 3.5 inch 320*240 pixel colour display
- Keyboard (4 buttons + volume up/down + Special function)
- Speaker + audio amplifier
- 8 MB flash + 8 MB RAM
- External medically approved power supply

Physical features

- Size – 145 x 125 x 75 mm
- Weight – 295 gram

RTX 3370 certifications

AS/NZS 60950 1:2003
AS/ACIF S002 – 2005
PTC 200
AS/NZS CISPR 22:2006
AS/NZS 4268:2003 & AMDT 192

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