

ConnectedCare Set-Top-Box

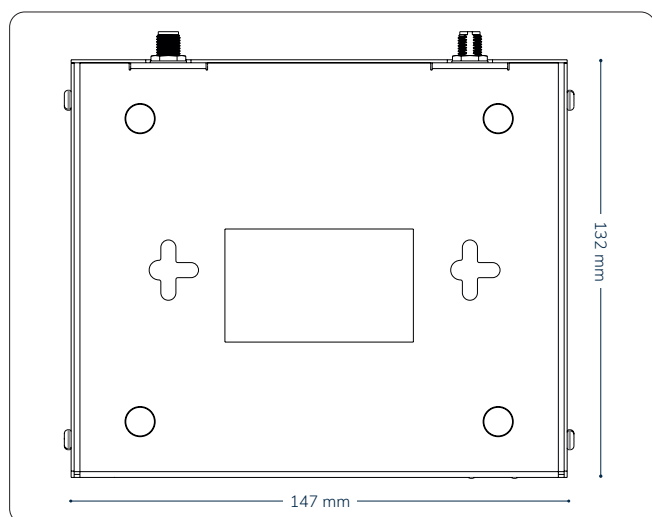
Set-Top-Box

Infotainment on wall mounted TVs

The set-top box enables hospitals to provide their patients and visitors with a wide range of infotainment services on a large wall screen.

The box can be seamlessly integrated into the ConnectedCare product portfolio of hardware and software. The possible uses range from entertainment to personalized infotainment. Based on our ConnectedCare OS operating system, the set-top box offers the user the opportunity to use various multimedia content conveniently and intuitively. Simple management and remote maintenance reduce administration costs.





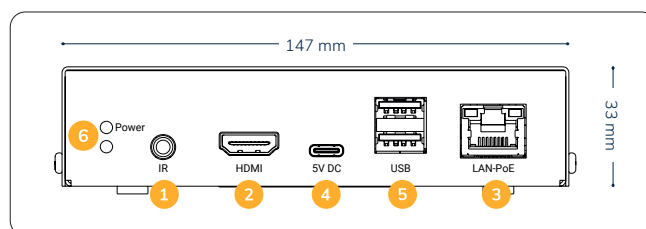
Benefits

- **For patients / users:** Convenient and intuitive access to multimedia services (e.g. television, radio, media libraries), multimedia use on wall mounted TVs
- **For administrators:** Centralised online configuration via the ConnectedCare DeviceManagement (SaaS tool), including updating the operating system, applications and configuration of network parameters and transmitter lists, etc.
- **For hospital staff:** maintenance-free hardware and software, disinfectable infrared remote control
- **For decision-makers and investors:** powerful hardware, continuously expanded software for the integration of future use cases and functions

Scope of Services

The Set-Top-Box is supplied with a hardened ConnectedCare OS operating system (based on the Android Open Source Project). The operating system and the included key applications (e.g. TV / radio app) can be fully maintained remotely via the ConnectedCare device management. The Set-Top-Box is operated using a remote control (infrared remote control included in the scope of delivery).

Processor	2x 1.8Ghz + 4x 1.5Ghz, dual-core Cortex-A72 + Quad-core ARM Cortex A53, SoC with long-term Android support
Memory	4 GB RAM (DDR4)
Operating system	ConnectedCare OS, based on AOSP (Android Open Source Project), version 11
LAN	IEEE 802.3 100Mbit/s, incl. PoE (IEEE 802.3af)
WLAN	IEEE 802.11b/g/n/ax, incl. MIMO antennas
Bluetooth	5.3 incl. support for Low Energy, IEEE 802.11mc



Technical Data

Dimensions B x H x T (mm)	147 x 33 x 132
Weight (g)	416
Power supply	PoE or PoE+ (44-57V DC) IEEE802.3 AF/AT or 5V DC with USB Type-C
Operating temperature	+5 to +40°C (non-condensing)
Storage temperature	-20 to +40°C (non-condensing)
Colour	black
Material	Metal housing

Functional Components / Connections

- 1) 3.5 mm jack socket for connecting an infrared eye for the integrated infrared receiver
- 2) HDMI socket for connecting a monitor or TV set
- 3) LAN socket (RJ45) for connection to the Ethernet infrastructure
- 4) USB Type-C socket for alternative power supply
- 5) 2x USB type B sockets for connecting external peripherals (e.g. keyboard, mouse, remote control receiver)
- 6) Status LED (power, IR reception indicator)

Operation

- Operation via the supplied infrared remote control
- Operation via various remote controls using a USB dongle (not included)
- Operation via the remote control of the connected TV set (HDMI CEC), depending on the range of functions of the TV set used
- Operation via a paired Bluetooth remote control (not included)
- Operation via the remote control app of a tablet (not included in the scope of delivery)

Requirements

- Power supply (PoE / PoE+) or alternatively via USB-C (power supply units not included, optionally available)
- IP network and Internet access
- IP-TV / -Radio streams
- ConnectedCare DeviceManagement (manage and configure devices online)
- Compatibility of TV sets with the ConnectedCare set-top box, compatibility list available on request
- Wi-Fi connection: Provision of an HLS stream, an HLS transcoder may be required for this (if not available)

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