CARESCAPE Canvas™ 1000 patient monitor

Flexing the art and science of patient monitoring

CARESCAPE Canvas™ is a FlexAcuity™ monitoring platform for your entire hospital ecosystem. It offers individualized monitoring of patients and bed-specific scalable levels of acuity while retaining the same, intuitive and familiar user experience everywhere.

One unified monitoring solution across your enterprise

- Sustainable lifetime value. Backward and forward-looking support to enable your care transformation

- Care area dedicated software packages make monitor configurations easy. Additionally, a fully licensed software package available for maximum flexibility to use the monitor across the enterprise

- InSite™ RSvP™ provides remote connectivity between CARESCAPE solutions and GE Healthcare support experts to enable remote diagnostics and software updates

- Integrated Citrix™ thin client integration enables easy access to labs, X-rays, charting and other data at the bedside

A FlexAcuity™ solution

- Streamlined intra-hospital transport with CARESCAPE ONE monitor or CARESCAPE Patient Data Module provide continuous and consistent measurements during transport

- One powerful integrated CPU with CARESCAPE ONE & CARESCAPE Patient Data Module acquisition devices. Optional frames and E-modules enable scalability to meet various patient needs across care areas

Clinical excellence by design

- Innovative algorithms aid in accurate diagnoses, including EKPro arrhythmia analysis, DINAMAP™ non-invasive blood pressure, and 12 SL™ diagnostic ECG with direct 2-way MUSE™ version NX ECG database

- Comprehensive respiratory monitoring ranges from standard CO_2 all the way to gas exchange and metabolic monitoring

- Various parameters can help you to assess the Adequacy of Anesthesia in the OR, give insight to patients' readiness for ventilator weaning and assess patient's oxygenation both in the Perioperative and ICU environment

- Exceptional alarm functionality, including Auto View on Alarm which automatically shares clinically significant alarms within and across care units, provides flexibility in setting alarm limits and priorities which may help optimize your workflow and reduce alarm fatigue

- Pages and Profiles functionality provides clinicians the flexibility to easily optimize monitor settings to their patient needs

- Connection to CARESCAPE Network infrastructure and CARESCAPE Central Station allows oversight of monitoring to continue beyond bedside.

- Connectivity with the CARESCAPE Gateway enables communications to EMR systems via standard HL7® protocol

- Combination monitoring enables the smooth connection of telemetry patients for more extensive monitoring directly at the bedside

gehealthcare.com

Software version 3, build 3.3

Technical specifications

CARESCAPE Canvas 1000 Monitor

Software options

Main software	Care-area specific software versions to optimize workflows: OR, PACU, ICU, ED, NICU
Other software options	Extended software options specific to each main software package.

Networking

Compatibility	CARESCAPE Network with peer-to-peer communication
Features	Centralized viewing and remote alarm management with bed-to-bed viewing and Auto View on Alarm (AVOA) functionality
Network type	LAN

I/O connectors

Ethernet	CARESCAPE Canvas 1000 has 3 Ethernet ports: MC - 10/100/1000 BASE-T IX - 10/100/1000 BASE-T Unity Network - 10 BASE-T
USB 2.0 port	5 x USB type A
ePort	2 x ePort interfaces (DB9)
Serial Port	Available via USB converter
Display	DisplayPort
Thermal printer	Through F2 frame
Equipotential connector	DIN 42801 equipotential ground stud

Characteristics

Size	19 in (diagonal)
Type	Active matrix color TFT, optically bonded LCD
Brightness	250 cd/m²
Resolution	1280x1024 @ 60Hz SXGA
Viewing angle	160 degree horizontal/vertical
LCD Panel Contrast ratio	700:1

Controls

Touch screen	Capacitive technology

Degree of protection against harmful ingress of water
IP22

Waveforms
Up to 8 waveforms and if 4 invP is selected can be up to 10 waveforms. Up to 16 if optional dual display is used.

Numerics
Up to 20, or up to 40, if optional dual display is used and horizontal parameter area turned on.

CARESCAPE Canvas D19 Display

Size	19 in (diagonal)
Type	Active matrix color TFT, optically bonded LCD
Brightness	250 cd/m²
Resolution	1280x1024 @ 60Hz SXGA
Viewing angle	160 degree horizontal/vertical
LCD Panel Contrast ratio	700:1

I/O connectors

Equipotential connector	DIN 42801 equipotential ground stud
Video connector	DisplayPort

Frames
Target use and support modules

F0	CARESCAPE ONE monitor
F2	Stand-alone use; E-modules, CARESCAPE ONE monitor, F2-01 local recorder
F5	Stand-alone use; E-modules, CARESCAPE Patient Data Module
F7	Aespire™, Aestiva™, Aisys™, Aisys CS², Avance™, Avance CS² Carestation™ anesthesia machines, E-modules

Frames are ordered separately.

Parameters and modules

Parameters	CARESCAPE ONE
ECG with Impedance respiration	3, 5, 6 and 10 leadwires
SpO_2	GE TruSignal™, Nellcor™ OxiMax™
SPI*	GE TruSignal
SpO_2 with Pi[1] and PVi®[1]	Masimo rainbow® SET®
NIBP	GE DINAMAP™ SuperSTAT™ algorithm
InvBP	2 or 4 channels for invasive pressures
Temp	2 channels for temperatures
CO_2	LoFLo™ Sidestream CO_2, Respironics Microstream™ capnography, Medtronic
rSO_2[1]	INVOS™ regional oximetry, Medtronic
SpHb®[1]	Masimo rainbow SET®

[1] This parameter is visible only on CARESCAPE Canvas host display and only when corresponding license is available. It is not available on CARESCAPE ONE, when CARESCAPE ONE is disconnected from Canvas host. CARESCAPE Canvas 1000 monitor is compatible with CARESCAPE ONE SW v3.0 and 3.2. Pi, PVi, SpHb, INVOS rSO_2 and Microstream CO_2 are available on CARESCAPE ONE SW v3.2.

* SPI is not 510(k) cleared. Not available in US.

Parameters	CARESCAPE Patient Data Module (PDM)
ECG	3, 5, 6 and 10 leadwires
SpO_2	Masimo SET®, Nellcor™ OxiMax™
NIBP	GE DINAMAP™ SuperSTAT™ algorithm
InvBP	4
Temp	2, Optional with C.O.
Cardiac output	Optional with temperature

CARESCAPE ONE monitor and Parameter devices, and CARESCAPE Patient Data Module are ordered separately.

Parameters	E-Modules
Multi parameter modules	
InvBP & Temp	E-PP, E-PT
SvO_2 & C.O.	E-COP, E-COPSv
Single parameter modules	
SpO_2	E-NSATX, E-MASIMO
NMT	E-NMT
CCO	E-PiCCO
EEG	E-EEGX
BIS™	E-BIS
Entropy™	E-ENTROPY
Respiratory[1]	
Sidestream CO_2	E-miniC
Sidestream CO_2 & O_2	E-sCO, E-sCOV
Sidestream CO_2, O_2, Agents & N_2O	E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE, E-sCAiOVX
Patient Spirometry	E-sCOV, E-sCOVX, E-sCAiOV, E-sCAiOVE, E-sCAiOVX
Gas exchange or metabolics	E-sCOVX, E-sCAiOVX
Interfaced CARESCAPE Parameters	
Microstream™ capnography from Medtronic	E-musb & CARESCAPE CO_2 - Microstream
INVOS™ regional oximetry from Medtronic	E-musb & CARESCAPE rSO_2 - INVOS

Parameter modules are ordered separately.

NOTE: For a complete list of compatible devices, please refer to the supplemental information provided.

[1] Acronyms for the parameters measured are as follows:
s = Single-width module, C = CO_2 and N_2O, Ai = Anesthetic agents and agent identification, O = Patient O_2, V = Patient Spirometry, E = fresh gas sample connector for some anesthesia machine applications, X = Gas Exchange metabolics $\dot{V}O_2$, $\dot{V}CO_2$, RQ and EE

Performance specifications

Alarms

Categories	Patient status and system status
Priority	High, Medium, Low, Escalating and Informational
	In accordance with IEC 60601-1-8
Notification	Audible and visual
Audio pause	Configurable for 2 or 5 minutes
Trend	
1 min resolution	72h
10 s resolution	30min
2 s resolution	24h
1 s resolution	24h
Snapshot	
15 s Waveform	400 snapshots
ST	10 snapshots
Events	999 events

Thermal Recorder

Optional, Frame 2 attached thermal recorder F2-01 LOCAL RECORDER, to be ordered separately.

Mounting

VESA compatible

Power specifications

Power supply

Universal input voltage range	100 to 240 Vac ±10%, 50/60 Hz
Power consumption	
CARESCAPE Canvas 1000	70 VA, typical <70 VA*
CARESCAPE Canvas D19	50 VA
Protection class	Class I
Grounding	Hospital grade
Cooling	Natural convection – no fans

* Extreme clinical measurement configuration with full F5 frame and fully loaded CARESCAPE ONE monitor.

Environmental specifications

For entire system, including monitor, frames, modules, displays, keyboard and remote control.

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Operating humidity	15 to 90% RH non-condensing
Operating altitude	700 mbar to 1060 mbar (3000 m to –400 m)

Non-operating conditions

Temperature	-20 to 60°C (-4 to 140°F)
Non-operating humidity	10 to 90% RH non-condensing
Non-operating altitude	500 mbar to 1060 mbar (5500 m to –400 m)

Storage conditions

Temperature	-20 to 60°C (-4 to 140°F)
Storage humidity	10 to 90% RH non-condensing
Storage altitude	500 mbar to 1060 mbar (5500 m to –400 m)

Physical specifications

CARESCAPE Canvas 1000 monitor

Size (H x W x D)	388 x 440 x 126 mm (15.3 x 17.3 x 5.0 in)
Weight	7.5 kg (16.5 lb))

CARESCAPE Canvas D19 Display

Size (H x W x D)	388 x 440 x 126 mm (15.3 x 17.3 x 5.0 in)
Weight	7.1 kg (15.7 lb)

F0 Dock

Size (H x W x D)	9.0 cm x 21.0 cm x 7.5 cm (3.5 in x 8.3 in x 3.0 in)
Weight	< 0.5 kg (1.0 lb)

F2 frame without modules and cables

Size (H x W x D)	160 × 284 × 165 mm (6.3 × 10.7 × 6.5 in)
Weight	< 2.4 kg (5.29 lb)

F5 frame without modules and cables

Size (H x W x D)	162 x 290 x 225 mm (6.4 x 11.4 x 8.9 in)
Weight	3 kg (6.6 lb)

F7 frame without modules and cables

Size (H x W x D)	138 x 314 x 215 mm (5.4 x 12.4 x 8.5 in)
Weight	3 kg (6.6 lb)