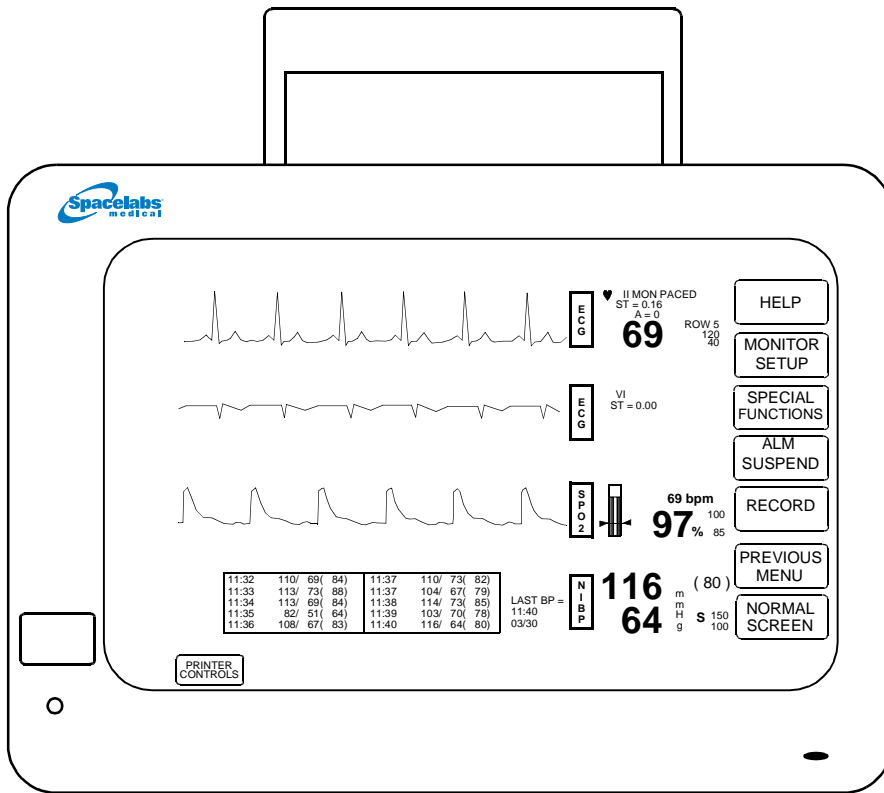


# Ultraview™ 1050 Monitor 90369



- Lightweight, compact, highly portable
- Shares same touchscreen controls as other Ultraview Care Network™ and PCMS™ monitors of appropriate levels
- Compatible with the full line of Ultraview Care Network and PCMS modules
- Large 10.4-inch (26.42 cm) TFT color display with 140° viewing angle
- Data Shuttle™ option allows up to 24 hours of patient data to be transferred to other Ultraview Care Network and PCMS monitors
- Advanced power management system maximizes battery performance during transport; includes battery “fuel-gauge”
- Optional interactive bed-to-bed Ethernet communication
- Instant “Quicknet” 10BaseT Ethernet connection
- Optional wireless Ethernet with one to five outbound waveforms and numeric vital signs transmitted at 2.4 GHz
- Optional built-in 2-channel recorder
- Optional mainstream EtCO<sub>2</sub>, O<sub>2</sub>, and Min CO<sub>2</sub>
- Support for up to 250 nodes on a network with the Expanded Network feature

## SPECIFICATIONS

**Touchscreen** — With the exception of power (ON/OFF), all controls are on-screen touchkeys; touch is sensed by infrared optical devices; optional controls include mouse and keyboard.

**Waveform Capacity** — 4, 5, or 6 waveforms

**Module Capacity** — 90369 accepts one Ultraview or PCMS module internally and will support up to two additional modules using the 90491 module housing.

**Parameter Capacity** — 15 parameters utilizing Ultraview and PCMS modules as well as Flexport® interfaces

**Trends** — 24 hours of trend data can be displayed

**Graphic** — 1-, 2-, 6-, 12-, or 24-hour segments; data is stored in 1-minute resolutions (6-hour is the default)

**Tabular** — Time increments of 1, 5, 10, 15, or 30 minutes; 1, 1.5, or 3 hours (1 hour is the default)

**Remote View/Alarm Watch** — When equipped with Ethernet option, provides waveform display from a remote bedside or telemetry patient on the Ultraview Care Network on request, or in the event of an alarm, from up to 32 selected beds; an Ultraview bedside monitor can be remotely viewed by up to 16 network devices simultaneously (e.g., monitors, workstations)

**Display** —

Trace Height: 1.65 in (4.2 cm)  
2.36 in (6.0 cm)

Sweep Speed: A variety of speeds are available; under PCMS module control

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## SPECIFICATIONS

**Ethernet Communication** — 10BaseT telephone-style modular connector (RJ45) provided

**Wireless Ethernet Capability (US Only)** — Provides 2.4 GHz frequency-hopping spread-spectrum communication; the wireless Ethernet will send one to five waveforms and numeric vital signs to the Ultraview Care Network

**Color TFT Display (TFT)** —  
Resolution — 640 by 480 pixels  
Size — 8.31 in (21.12 cm) wide  
6.24 in (15.84 cm) high

**Software Updates** — Software updates including new features and capabilities are easily updated over the network

### Options —

- F — Ethernet interface, SDLC, audio I/O, video, alarm, serial; provides noninteractive bed-to-bed communication
- G — Capnography, Ethernet interface, SDLC, audio I/O, video, alarm, serial
- N — Vital Signs Calculations
- O — Drug Dose Calculations
- P — Interactive Network Functions — Adds interactive remote view and alarm watch capabilities for parameters displayed from remote bedsides and remote functionality for all trends (requires option F or G)
- Q — Data Shuttle to transfer patient information to another monitor
- R — Patient Data Logger
- U — Dual Channel Internal Recorder
- Z — Wireless Ethernet Communication (US Only)
- 04 — Four waveforms (standard)
- 05 — Five waveforms
- 06 — Six waveforms

## ELECTRICAL SPECIFICATIONS

**Mains Power** — Line voltage: 100-120 VAC or 220-240 VAC; Frequency: 50-60 Hz

**Batteries** — 1 or 2 removable 2.3 Ahr, 12 V sealed lead-acid batteries may be used, providing up to 2.0 hours of operation (TFT display); operating time is dependent on configuration and usage; 1.5 hours are required to charge batteries to 100% of capacity with AC connected to rear panel and Mains switch in the OFF position, 3-hour charge time required with the Mains switch in the ON position

**Power Fail Backup** — Will maintain patient data for a minimum of three minutes

**Isolation** — Chassis leakage current not greater than 300  $\mu$ A (meets AAMI, UL2601-1, CSA #601.1 and IEC 601-1 standards)

## PHYSICAL DIMENSIONS

**Height:** 8.3 in (21.1 cm)  
**Depth:** 6.2 in (15.8 cm)  
**Width:** 11.7 in (29.7 cm)  
**Weight:** 10.0 lbs (4.6 kg)

## DUAL CHANNEL INTERNAL RECORDER — Option U

**Printing Method** — Thermal array print head

**Resolution** — 8 dots per mm vertical and 32 dots per mm horizontal at 25 mm per second sweep speed

**Paper** — Heat-sensitive paper, 50 mm wide x 30 m long, available in a roll

**Traces** — All monitored parameters, including waveforms and graphic trends, full annotation included

**Frequency Response** — Determined by the parameter recorded

**Chart Speed** — 1.56, 3.12, 6.25, 12.5, 25, and 50 mm per second (depending on the monitor sweep speed selected)

**Alarm Record** — Records any parameters in an alarm state when "Record on Alarm" is active

**Auto Run** — 20 seconds or duration of alarm violations (whichever is longer)

**Controls** — Continue, Slow, Stop, Unit Off

**Indicators** — Paper Out, Unit Off

**Record** — Allows selection of up to two active monitor channels plus trends

## ENVIRONMENTAL REQUIREMENTS

### Storage —

Temperature:

-13 to 140°F (-25 to 60°C)

Humidity: 10 to 85% (noncondensing)

Altitude: 0 to 40,000 ft (0 to 12,192 m)

### Operating —

Temperature: 32 to 122°F (0 to 50°C) on both AC and DC power

Humidity: 10 to 85% (noncondensing)

Altitude: 0 to 15,000 ft (0 to 4,572 m)

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## SPECIFICATIONS

### ELECTROMAGNETIC COMPATIBILITY

EN60601-1-2, 1993-04

**Emissions** — (CISPR 11) EN55011, Class B

EN61000-3-2: Harmonics

EN6100-3-3: Flicker

Mil-Std-461D: RE101

**Immunity** —

IEC 1000-4-2: ESD, 8 kV contact/15 kV air

IEC 1000-4-3: RF Fields, 20 volts/meter,  
26 MHz to 1 GHz

IEC 1000-4-4: Burst, 1 kV differential/  
2 kV common mode

IEC 1000-4-5: Surge, 1 kV differential/  
2 kV common mode

IEC 1000-4-6: Conducted RF, 3 volt r.m.s.  
150 kHz to 80 MHz

IEC1000-4-8: Magnetic Field (50/60 Hz),  
60 Amps/meter

IEC 1000-4-11: Frequency variations,  
power quality, voltage, and  
frequency variations

Mil-Std 461D: CS101, 12 volt r.m.s.  
10 kHz to 150 kHz

Mil-Std 461D: CS114, 120 dB $\mu$ A  
10 kHz to 400 MHz

### REGULATORY APPROVALS

The Ultraview 1050 Monitor is ETL listed and meets standard UL2601-1 for electrical safety; approved by CSA; CE marked in accordance with the Medical Device Directive, 93/42/EEC

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### ACCESSORIES

119-0251-01	110/220 volt AC converter <b>Note:</b> This AC converter is mandatory and is included at no charge
146-0018-00	Rechargeable battery
010-1114-00	External battery charger; recharges one to four removable batteries; 100-240 V
016-0347-00	Wall mount
016-0369-00	Bed rail mount (for 90369 without capnography option)
016-0369-01	Bed rail mount (for 90369 with capnography option)
016-0447-00	Roll Stand
040-0992-00	Conversion Kit 10BaseT to AUI
010-0814-00	Keyboard (U.S. only; other keyboards are available for use outside the U.S.)
010-0609-00	Mouse

For information about required supplies, please refer to the *Spacelabs Medical Supplies Products Catalog*.

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**Spacelabs Medical, Inc.**

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