



Monitoring and IT Solutions for
supporting patient safety and care

INFINITY® IN-HOSPITAL
TRANSPORT SOLUTIONS

Save time and effort



Continuous monitoring, uninterrupted surveillance

Transport within the hospital is integral to the care of seriously ill patients. But it can be risky for your patients and time consuming for your staff.

Dräger offers a less disruptive way of monitoring patients during transport: the Pick and Go® solution. This patented technology enables Infinity® Delta and Gamma bedside monitors to double as transport monitors within the hospital – so you don't have to wait for transport monitors to come back to the unit. Simply pick up the monitor and go to the patient's next destination, or return to the unit after taking the patient out for a diagnostic test, for example. Infinity monitors provide seamless wired-to-wireless networking, so surveillance is continuous. There's no disconnection or reconnection of leads. No gaps in monitoring. As a result, all parameters that were monitored at the bedside continue to be monitored on transport.

Simply put, Infinity monitors support patient safety by providing continuous monitoring and maintaining the same level of care during transport as is provided at the bedside.

It's safer for your patients. Simpler for your staff.
More cost-effective for your hospital.





MT-7079-2008



“Here at Gakkentoshi, Pick and Go technology enables the Delta monitor to double as a transport monitor and therefore eliminates an 18-minute* gap in monitoring.”

Dr. Yukimasa Ogino, MD
 Director of Anesthesiology
 Gakkentoshi Hospital
 Seikacho, Japan

* Actual results may vary depending on the hospital in which the Pick and Go transport solution is implemented.

DRÄGER: A LEADER IN TRANSPORT TECHNOLOGY

Dräger is one of the world's leading manufacturers of medical equipment. Our in-hospital transport solutions draw on more than 100 years of clinical expertise at the acute point of care. During this time, we've listened to clinicians and hospital decision makers like you and have built solutions to meet your evolving needs.

Complies with patient transport guidelines

Infinity bedside/transport monitors allow you to comply with the specification of the Society of Critical Care Medicine guideline that states “All critically ill patients undergoing transport receive the same level of basic physiologic monitoring during transport as they had in the intensive care unit.”

* Society of Critical Care Medicine: Guidelines for the Inter- and Intra-hospital Transport of Critically Ill Patients; J. Warren, MD et. al. 20

Seamless wired-to-wireless

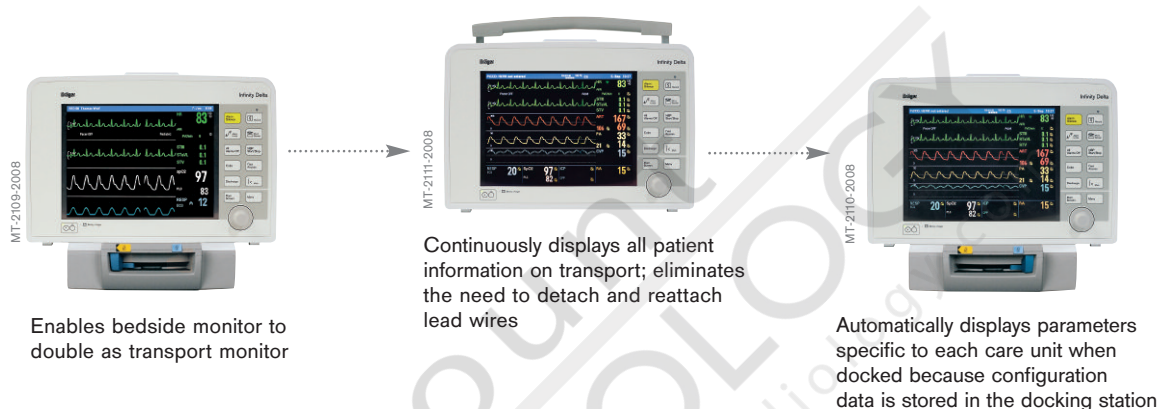


How much time do you spend switching patients between bedside and transport monitors?

Imagine saving that much time on each transport. In the time it typically takes to prepare traditionally monitored patients for transport, Infinity patients are already there.

Dräger's patented, award-winning* Pick and Go® technology is the basis of our monitoring transport solution.

* Dräger received the 2005 Award for Technology Innovation from Frost & Sullivan for its Pick and Go technology.



Pick and Go – a hospital-wide transport solution

Consider a typical scenario

The patient has to be moved from one department to another, or leave the unit for a procedure. You have to locate a transport monitor, disconnect the patient from the high-acuity bedside monitor, and connect the transport monitor – which typically measures only a few basic parameters. When the patient reaches the next destination or returns to the care area, the process is reversed. Monitoring is interrupted during the disconnection/reconnection process and some high-acuity parameters may not be monitored on transport, which can put the patient at risk.

Transport monitors may use different supply and accessory items, which requires reconnecting the patient to diverse leads and cables. Even when transport monitors support invasive pressure, changing monitors may require re-zeroing. In both cases, precious time is lost.

Now consider the Pick and Go transport solution Infinity Delta and Gamma series monitors double as transport monitors. So when the patient moves from one care unit to another, or leaves the unit for a test

and returns, you simply undock the monitor from the Infinity Docking Station and the monitor moves with the patient. Because these monitors offer seamless wired-to-wireless networking, all the parameters that were monitored at the bedside continue to be monitored in transport.

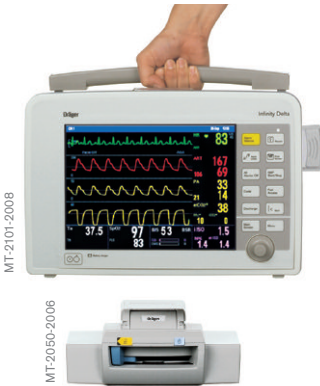
Infinity Delta and Gamma series monitors support secure, encrypted WPA2 wireless networking, so the monitors continue to broadcast vital signs to the Infinity Network during patient transport. Thus, real-time surveillance also continues at the Infinity CentralStation – a central monitoring system that continuously gathers and displays patient information for up to 32 Infinity bedside and patient-worn monitors.

When the patient reaches the next destination or returns to the unit, simply place the monitor on the Infinity Docking Station and the monitor automatically reconfigures to show the parameters and format preferred by that care unit. Monitors not in wireless mode continue to collect vital patient data during transport. Once the monitor is docked, that data is made available to the Infinity Network.

Pick and Go® eliminates the need

THE TECHNOLOGY:

The concept behind Pick and Go® is that all the functions needed for transport are contained in the monitor, while the technology not needed for transport stays behind in the Infinity Docking Station, which can be configured differently for each care unit.



Infinity Delta monitor with wireless card and Infinity Docking Station

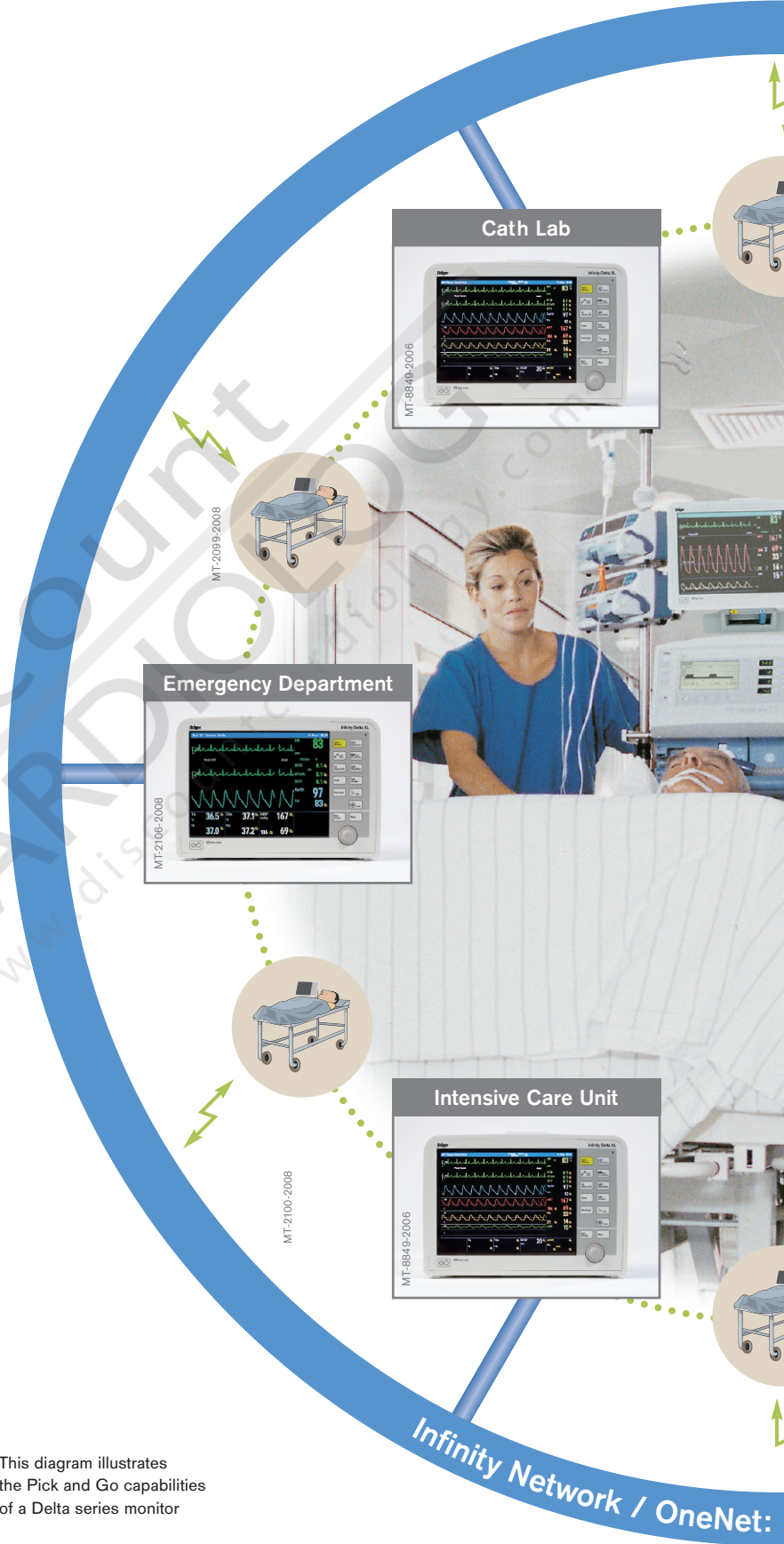
THE FLOW OF PATIENT INFORMATION:

Infinity bedside/transport monitors can automatically switch from wired to wireless networking. As a result, patient data continues to feed into the hospital network during transport – with no gaps in data collection. Hospitals can also take advantage of Infinity OneNet, which allows patient monitoring data to run on the hospital's network rather than on a separate network.

Simultaneously, patient data monitored on transport is available at the Infinity CentralStation, and can be accessed remotely via the hospital intranet.

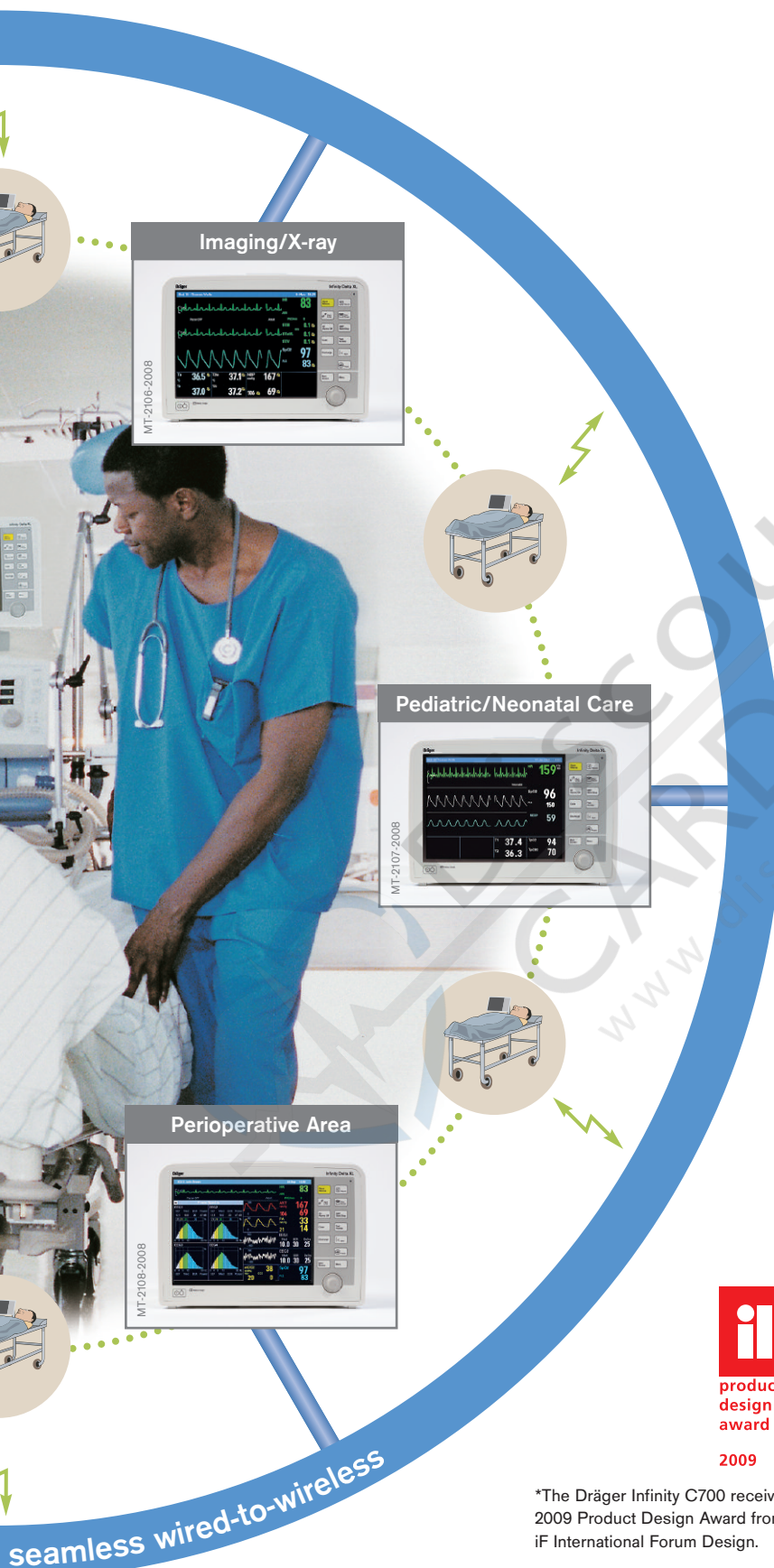


Infinity CentralStation



This diagram illustrates the Pick and Go capabilities of a Delta series monitor

for separate transport monitors



THE BENEFITS:

- **One monitor hospital-wide**
The same monitor stays with the patient at both the bedside and during transport – regardless of patient type, age or clinical pathway.
- **Bedside monitor doubles as transport monitor**
This eliminates the need for separate transport monitors.
- **Continuous monitoring**
When the patient goes on transport, the same parameters that were monitored at the bedside continue to be monitored on transport with no interruption.
- **Ergonomic improvements**
To support virtually any patient acuity level, simply plug optional advanced monitoring parameter pods into the Infinity monitor. This modular concept enables the same monitor to move with the patient hospital-wide.
- **Process improvements**
The Infinity Delta is the bedside/transport component of the Infinity Omega Solution, which displays vital signs from the Delta and brings clinical applications, (such as Innovian®) images, lab results and other IT information to the point of care.



product design award

2009 ■



Infinity Omega solution: combines an Infinity Delta series monitor with an award-winning* Infinity C700 for IT workstation

*The Dräger Infinity C700 received the 2009 Product Design Award from the iF International Forum Design.

Standardization and process improvement

Infinity Delta Series

The Infinity Delta series, Dräger's top-of-the-line bedside/transport monitors, includes the Delta and Delta XL. The Infinity Delta series is designed to support standardization and process improvement.

HOSPITAL-WIDE STANDARDIZATION

Infinity Delta's unique combination of hardware and software adapts monitoring to the needs of every patient, every care unit, every hospital. You determine your specific requirements, including parameter choices, waveform colors and positions, and alarm limits – either by patient or throughout your unit. Infinity Docking Stations store these settings, so all monitors docked on them will reflect your configuration choices automatically. Because Infinity Delta supports all acute care environments – including Emergency, Critical Care, Perioperative Care and Perinatal Care – you can standardize on one monitor hospital-wide.



Infinity Delta: 10.4" (264 mm) screen; 12.7 lbs (5.8 kg)
Infinity Delta XL: 12.2" (310 mm) screen; 13.6 lbs (6.2 kg)



SCALABLE PARAMETERS

Infinity Delta and Delta XL monitors display a full set of vital parameters – including 3-, 5-, 6- and 12-lead ECG, respiration, ST segment analysis, etCO₂, EEG, multiple temperatures, invasive and noninvasive blood pressure and full arrhythmia. Infinity Delta monitors can help improve efficiency with advanced respiratory mechanics measurements, vertical and horizontal cursors, and drug calculations. Neonatal applications – such as oxycardiogram (OCRG) with event recall and fiO₂ – support the unique needs of infants. For the Operating Room, there is sophisticated gas analysis with dual agent ID, Bispectral Index (BIS) technology, customizable waveform colors, and MAC calculations for both pediatric and adult patients.

To add high-acuity parameters, simply plug the high-acuity Infinity pods into the monitor as needed. Infinity pods are designed to eliminate cable clutter – both during transport and at the bedside.

FLEXIBLE MONITORING

Infinity Delta and Delta XL monitors give you choices. For example, when monitoring etCO₂, simply connect the appropriate etCO₂ pod or module. You can take advantage of Masimo SET® SpO₂ technology, the gold standard for motion tolerant pulse oximetry known for accuracy during low perfusion and most types of patient movement*. Delta series monitors also support the Infinity Nellcor™ OxiMax™ Smart-Pod®, which incorporates the latest Nellcor OxiMax low-power pulse oximetry technology.



* As documented in Masimo's peer-reviewed studies located on www.masimo.com.

Big in value, big in performance

Infinity Gamma Series

The Infinity Gamma series is Dräger's line of compact, lightweight monitors for mid- and low-acuity monitoring at the bedside and during transport. The series consists of the Infinity Gamma XL and Gamma X XL monitors.

Infinity Gamma series monitors pack powerful features and flexibility into a compact, lightweight device. These monitors provide options for ECG, arrhythmia analysis, respiration, etCO₂, pulse rate, noninvasive blood pressure (NBP), invasive blood pressure (IBP) and temperature. They also provide options for advanced capabilities such as wireless on demand. Plus, they give you the flexibility to add new features and software upgrades.

IDEAL FOR MID-ACUITY ENVIRONMENTS

For adult and pediatric patients in the OR, Infinity Gamma XL and Gamma X XL monitors offer many features, including a dedicated OR mode. Connect a Scio® Four gas analysis module to display anesthetic agent concentration and values for etCO₂, N₂O and O₂.

When surgery is over and you want to continue monitoring etCO₂ in Recovery, simply connect the appropriate etCO₂ pod or module. You can take advantage of Masimo SET SpO₂ technology, the gold standard for motion tolerant pulse oximetry known for accuracy during low perfusion and most types of patient movement.* The Gamma X XL monitor also supports the Infinity Nellcor OxiMax SmartPod, which incorporates the latest Nellcor OxiMax low-power pulse oximetry technology. Or, you can use Dräger's OxiSure® SpO₂ technology.

In the neonatal intensive care unit, Infinity Gamma series monitors help reduce cable clutter around the incubator with the NeoMed Pod. They also provide dedicated monitoring modes that tailor algorithms, alarm limits and trend scales to the special needs of your neonatal patients. An oxycardiogram (OCRG) software option for monitoring and documenting apnea events supports neonatal monitoring.



Infinity Gamma XL: 8.4" (210 mm) screen; 7.32 lbs. (3.32 kg)
Infinity Gamma X XL: 10.4" (264 mm) screen; 12.7 lbs. (5.8 kg)

* As documented in Masimo's peer-reviewed studies located on www.masimo.com.







Part of a comprehensive solution

In addition to offering innovative transport solutions, Dräger offers totally integrated Infinity Monitoring and IT Solutions, which include point-of-care monitors for the bedside, patient-worn monitors, thick client- and Web-based IT applications for streamlining workflow and providing remote access, and seamless wired and wireless networking, including a shared infrastructure option.

Dräger offers a comprehensive, ergonomic transport solution with the Attachable Trolley 2, which holds all necessary equipment for transport of acute patients – including patient monitors, transport ventilators, infusion pumps and bags, and a suction system. It attaches quickly and securely to the patient's bed, putting everything within reach.

When you think in-hospital transport, think Dräger.

INFINITY BEDSIDE/TRANSPORT MONITORS			
Higher acuity ←		→ Lower acuity	
Delta XL	Delta	Gamma X XL	Gamma XL
			

HEADQUARTERS

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The quality management system at Dräger Medical Systems, Inc. is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).