Central Monitor

CNS-6201

Shown with options

Designed for patient safety

Central Monitoring System

Fighting Disease with Electronics

NIHON KOHDEN

The ward can be a room with a view

Dual wide display

One main unit can have two displays that operate separately and display different information. You can view all patient information on a combination of two display monitors.

Up to 32 patients

Up to 32 patients can be simultaneously monitored.

Easy alarm setup

Alarms for 8 basic parameters can set on one screen.

Touch screen operation

Easy and fast. Just touch the parameter you want to change.

Reliable alarms

You can reduce false alarms by reviewing alarm and measurement conditions on the alarm review screen.

Flexible 72-hour data storage

The nine different review screens are time synchronized with each other so you can review the same patient event in different ways.

Up to 32 patients

The CNS-6201 central monitor provides up to 32 patients simultaneous monitoring. You can connect any Life scope series bedside monitors by Ethernet LAN. You can also monitor telemetry patients' transmitter signals with a multi patient receiver to create the ideal hardwired, telemetry, or mixed system for your facility.

Flexible screen layouts for any number of patients

32 patients (dual display)

1 wave　　1 wave

16 patients

1 wave

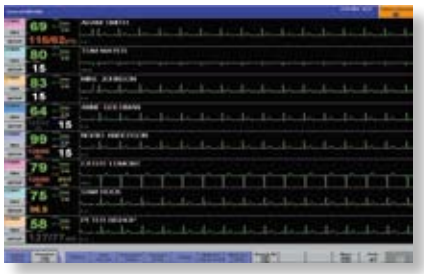
12 patients

2 waves

10 patients

2 waves

8 patients



1 wave

6 patients

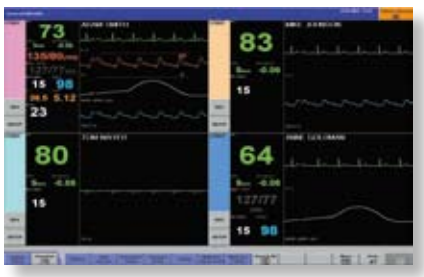
2 waves

4 patients

3 waves

3 waves

4 waves



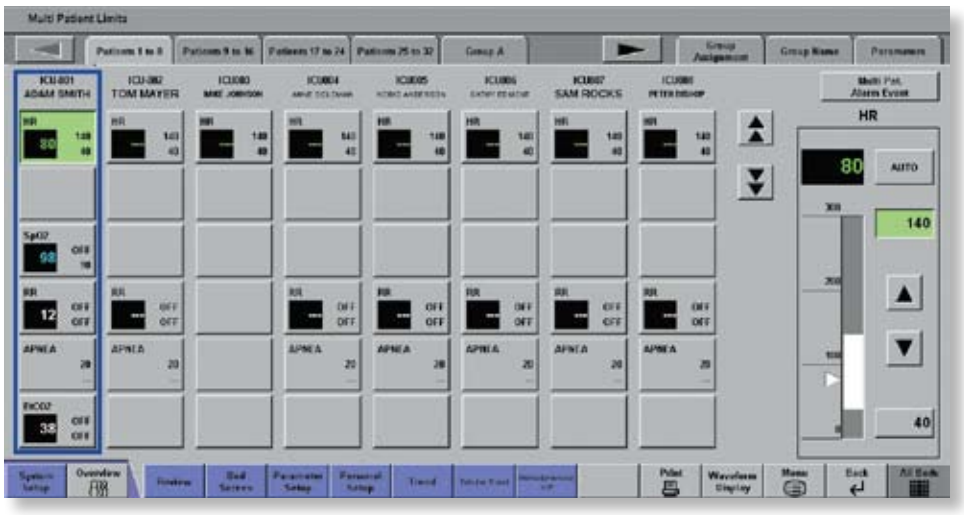
6 waves

Easy alarm setup

Alarm levels of 8 basic parameters can set on one screen.

Multi patient limits screen

The multi patient limits screen helps you set alarms more efficiently. Alarm levels for up to 8 patients are shown on one screen so you can check and change alarm settings compared to other patients.



Touch screen operation

Operating menus are similar to other Life scope series monitors. Most functions can be done in just 3 steps. With an NKD-ELO24 LCD display (24-inch color), you can operate the monitor by touch screen. You can also use a local purchase display and operate the monitor by keyboard and mouse.

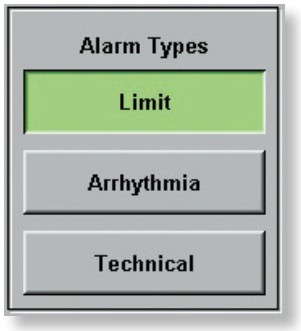
Reliable alarms

Typical central monitors cause too many false alarms so staff can't rely on them.
Many false alarms are caused by technical alarms and unsuitable alarm settings.

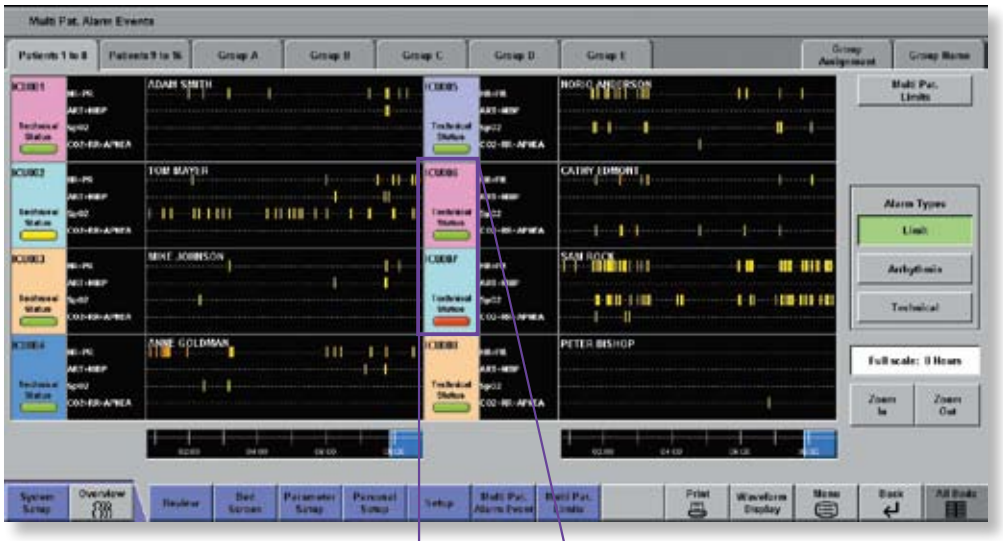
In order to improve this, a new Multi Patient Alarm Event window was added to CNS-6201. This can help reduce false alarms and provide high quality patient care.

Alarm type hide and display

In the multi patient alarm event window, you can hide or display specific alarm types.

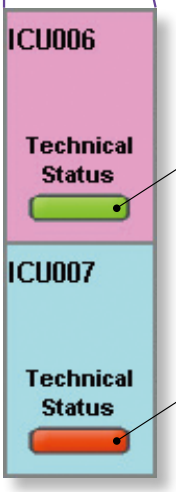


- **Limit alarm**
  Vital signs alarms indicate the condition of each parameter.
- **Arrhythmia alarm**
  You can check the frequency of arrhythmias on one screen.
  This can show the effect of arrhythmia drugs.
- **Technical alarms**
  This can help manage the electrode replacement cycle.



Technical status signal

You can display the frequency of technical alarms in the last hour, indicated by specified color. This shows at a glance the measuring conditions such as electrode attachment or noise.



Green (Good):
less than 10 alarms in one hour

Yellow (Not Bad):
10 to 29 alarms in one hour

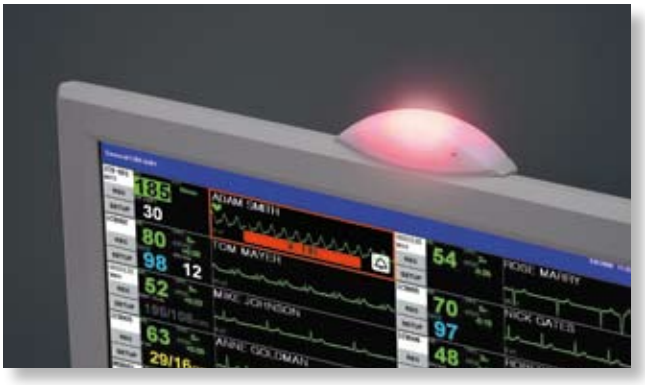
Red (Bad):
over 30 alarms in one hour

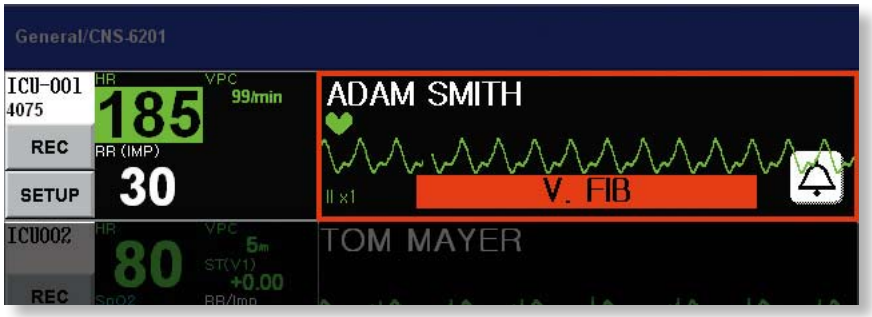
*Number of alarms can be changed by setting window.

Alarm related features

Optional alarm indicator

The alarm indicator on the top of the display can be clearly seen at a distance. The blinking or steady lighting condition and color shows alarm information. The blinking alarm indicator can also be synchronized with heart rate, blood pressure or SpO_2 of a selected patient.





Color coded alarm level

Alarms are indicated by a blinking frame and highlighted message. Red shows CRISIS alarms and orange shows WARNING alarms.

Flexible 72-hour data storage

Synchronized review data

All 9 review screens are time-synchronized so that when you find an alarm or arrhythmia episode, you can see the same event on other review screens as full disclosure, trend or numeric data to check details.

9 ways

1) Trend graphs

Trend graphs of 4 parameters and 2 events of the last 72 hours can be displayed.

2) Tabular trends

Numeric data of measured parameters for the latest 72 hours can be displayed in a table.

3) Hemodynamics data

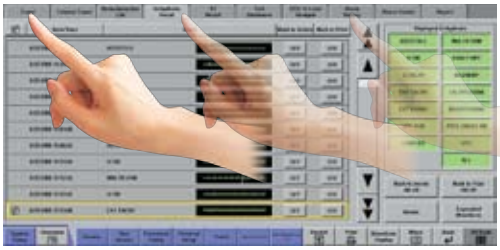
Up to 256 hemodynamics measurements can be displayed in 8 rows per screen.

9) Alarm events window

72-hour alarm lists for 8 persons can be displayed at the same time. There are 3 types of alarm displays: vital sign alarms, arrhythmia alarms, and technical alarms.

4) Arrhythmia recall

Up to 768 eight-second arrhythmia episodes for each patient can be stored and reviewed.



to review

chronized

8) Alarm history

The latest 1,000 files can be saved for each bed. The alarm history window displays the file list with report creation time, alarm levels, parameters, descriptions, and other information.

7) 12-lead ECG analysis

12-lead ECG analysis waveform, average waveform, comparison waveforms, and analysis reports from the bedside monitor can be displayed.

6) Full disclosure ECG

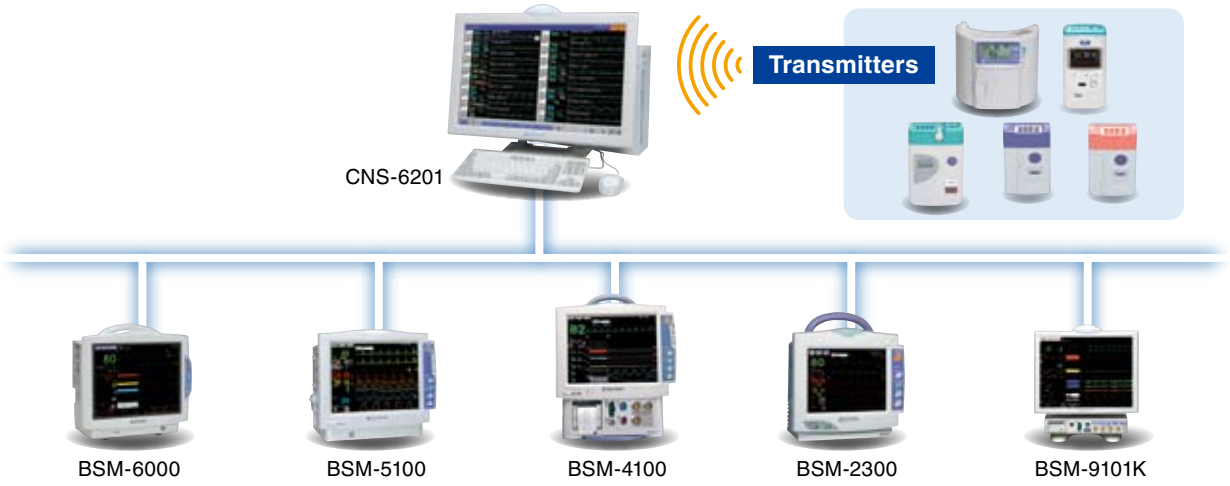
Six 72-hour full disclosure waveforms for each patient can be stored and reviewed.

5) ST recall

ST recall files are created at specified intervals. Up to 4,320 files can be saved. 7 files can be displayed at the same time.

Flexible configuration

An optional multiple patient receiver unit receives signals from up to 8 patients' transmitters.



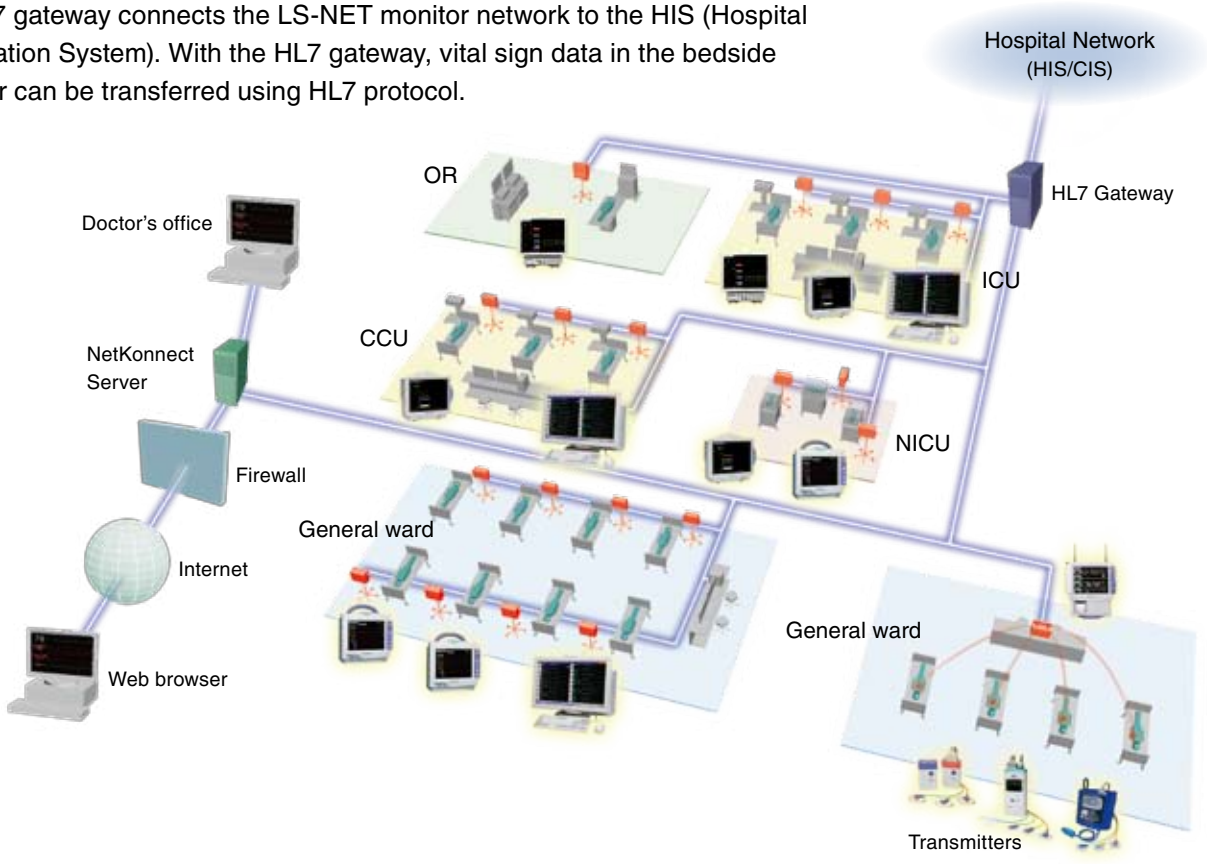
Life Scope Network

NetKonnect

With optional NetKonnect, you can review real-time patient data anytime and anywhere from your PC with a web browser.

HL7 Gateway

An HL7 gateway connects the LS-NET monitor network to the HIS (Hospital Information System). With the HL7 gateway, vital sign data in the bedside monitor can be transferred using HL7 protocol.



Specifications

Display unit	Waveform display method: Non-fade, fixed trace
Number of traces	1 to 6 traces per patient (up to 32 patients)
Sweep speed	50, 25, 6.25 mm/s
Waveform display items (depends on the connected monitor)	ECG, IBP, Respiration wave, Pulse (SpO_2), EEG, Flow/Paw, CO_2, External input, Anesthetic gas
Alphanumeric display items (depends on the connected monitor)	Heart rate, Pulse rate, VPC rate, Respiration rate, ST level, IBP (systolic, diastolic, mean), Temperature, SVO_2, Flow/Paw, N_2O, O_2, Agent, BIS, $TcPO_2$, TV, MV, PEEP, other
Arrhythmia detection items	Asystole, VF, Extended Tachycardia, Extended Bradycardia, VT, Tachycardia, Bradycardia, VPC Run, Couplet, Early VPC, Multiform, Bigeminy, Frequent VPC, Prolonged RR
Arrhythmia recall	768 arrhythmia recall files for each bed
ST recall	4,320 ST recall files for each bed
Trend	Trend display format: Trend graph and Tabular trend Trend display time: 1, 8, 24, 72 hours
Full disclosure	72-hour full disclosure waveform data for up to 6 waveforms
ECG 12-lead analysis	Saves up to 64 files of ECG analysis results for each bed
Alarm history	Saves up to 1,000 alarm history events for each bed
Alarm event	Saves 72-hour alarm events for each bed
Recorder unit	Paper speed: 25 mm/s Number of channels: 2 Printed items: Patient information, Date and time, Waveform and measurement data, Record type, Paper speed
Laser printer	Paper size: A4/letter Record type: Multi wave, Multi wave freeze, ECG 12-lead, Trend graph, Tabular trend, Arrhythmia recall, Hemodynamic list, ST recall, Full disclosure waveform, ECG 12-lead analysis result

Composition

For a full list of options and consumables, see the technical data separately available.

Main unit
PU-621R

LCD display
NKD-ELO24

Alarm indicator, 2.5 m
YL-611P

Alarm indicator, 5 m
YL-612P

Recorder unit
WS-960P

WS-960P power unit
SC-611R

Receiver unit
ORG-9100

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