stryker

Vision™ Dashboard

Operations Manual

Software version 3.0

REF 521205090001

R$_x$ ONLY

EN

Symbols

[book with i symbol] https://ifu.stryker.com/	Consult electronic instructions for use
[yellow warning triangle]	General warning
[caution triangle]	Caution
REF	Catalogue number/model
UDI	Unique device identifier
MD	European medical device
[manufacturer symbol]	Manufacturer
[date of manufacture symbol]	Date of manufacture
℞ ONLY	**CAUTION** - Federal law (USA) restricts this device to sale by or on the order of a physician.
US Patents	For US Patents see www.stryker.com/patents

Table of Contents

Warning/Caution/Note Definition

The words **WARNING**, **CAUTION**, and **NOTE** carry special meanings and should be carefully reviewed.

WARNING

Alerts the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

CAUTION

Alerts the reader of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the product or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

Note - Provides special information to make maintenance easier or important instructions clearer.

Summary of safety precautions

Always read and strictly follow the warnings and cautions listed on this page. Service only by qualified personnel.

CAUTION

- Federal law (USA) restricts this device to sale by or on the order of a physician.
- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.
- Do not rely solely on the **Vision** dashboard to monitor patients. Always continue to monitor connected products and respond to local alarms and notifications.
- Always use a display size of at least 55 inches. Legibility of information may be compromised by smaller displays.

Introduction

This manual assists you with the operation or maintenance of your Stryker product. Read this manual before operating or maintaining this product. Set methods and procedures to educate and train your staff on the safe operation or maintenance of this product.

CAUTION
- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.

Note
- This manual is a permanent part of the product and should remain with the product even if the product is sold.
- Stryker continually seeks advancements in product design and quality. This manual contains the most current product information available at the time of printing. There may be minor discrepancies between your product and this manual. If you have any questions, contact Stryker Customer Service or Technical Support at 1-800-327-0770.

Product description

The Stryker Model 5212050900001 **Vision** is a configurable protocol management dashboard that allows healthcare professionals (HCPs) to centrally monitor Stryker products and the patients allocated to them. **Vision** provides HCPs with increased visibility to safe product configuration compliance, fall protocols, and bed/stretcher alarm activity.

Vision takes near real-time, fall risk data pulled directly from a patient's electronic health record (EHR)* and associates the data with appropriate safe bed/stretcher protocols, set by the healthcare facility, to ensure a safer patient experience and an easier workflow for caregivers.

Vision displays data collected and stored by the healthcare facility's on-premise **iBed** Server. Information displayed by **Vision** includes:

- Patient's Electronic Health Record (EHR)* data (admittance, discharge, fall risk)
- Connected Stryker products (status, configuration, alarms)

Note - *No personal health information (PHI) is transmitted.

Intended use

Vision is intended to assist HCPs by centrally monitoring multiple Stryker products within a healthcare facility to aid in protocol management. **Vision** is intended to be used only with Stryker products that have been verified and validated to connect with the **iBed** Server.

Indications for use

Vision is indicated for monitoring patients at risk of falling in accordance with fall protocol management parameters as defined by the healthcare facility.

Intended users

Intended operators of this product are healthcare professionals including but not limited to nurses, nurses aids, doctors, unit secretaries, and transporters.

Contraindications

None known.

Expected service life

Major releases are expected to occur every three years at a minimum based on third-party software dependencies and associated software support life cycles. Backward compatibility to be maintained until the end-of-life date is established.

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

Email: medicaliBedWirelessSupport@stryker.com

Glossary

Term	Definition
Compliance rules	Specific configuration parameters for locations set up within a hospital unit or within **iBed** Server by an administrator
Location tile	Product location view on the **Vision** dashboard
Locations	Tiles on the **Vision** dashboard represent product location. Products are connected with the infrared (IR) module to either **iBed** Locator or **Secure Connect** in the rooms. See *Vision dashboard for Stryker connected products* (page 5).
Product violation	Configuration parameters set for the patient on the product do not match the EHR parameters. Violations appear on the **Vision** dashboard tiles.
Vision Platform Server	Receives data from the hospital unit and the connected product to display on the **Vision** dashboard.

Setup

Your Stryker sales representative, local internal application support team, and technical support team coordinate **Vision** Platform Server installation. The team inputs information for the **Vision** dashboard from the intake form.

Operation

Offline screen

CAUTION
- Do not rely solely on the **Vision** dashboard to monitor patients. Always continue to monitor connected products and respond to local alarms and notifications.

IMPORTANT!

The system has lost connection to the **Vision** Platform Server. All the **Vision** dashboard location tiles are gray to prevent misleading information (Figure 1). Your healthcare facility IT administration is notified.
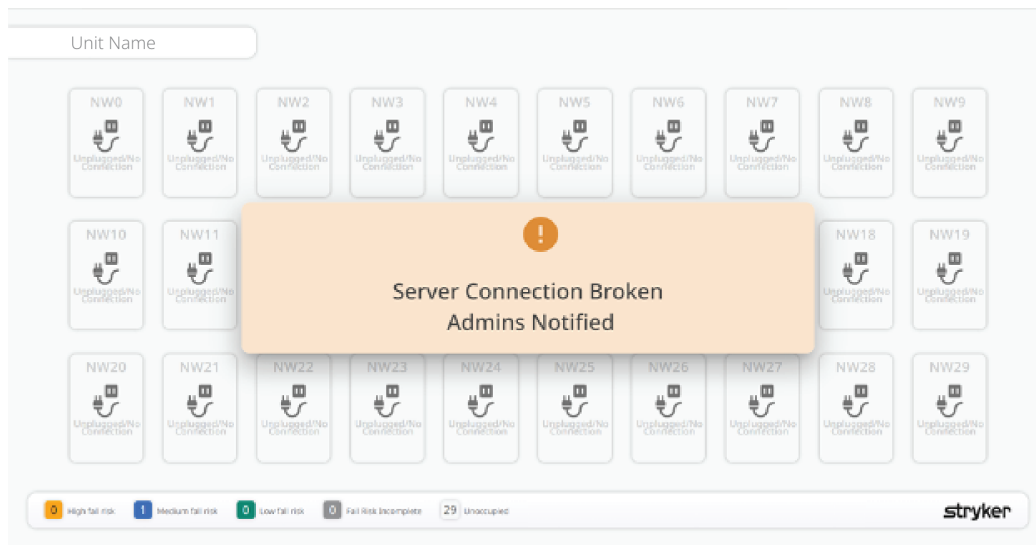

Figure 1 – Lost connection to Vision Server

Vision dashboard for Stryker connected products

CAUTION - Always use a display size of at least 55 inches. Legibility of information may be compromised by smaller displays.

The **Vision** dashboard displays assigned product information based on the healthcare facility unit name and location. The **Vision** dashboard can display a maximum of 60 tiles. Each tile represents the location of a product, product status, and patient related information.

Note
- If the **Vision** dashboard displays incorrect information for the healthcare facility unit name or location, contact Stryker Technical Support or your local internal application support team. See *Contact information* (page 4).
- If you cannot hear notification sounds, raise the display volume.
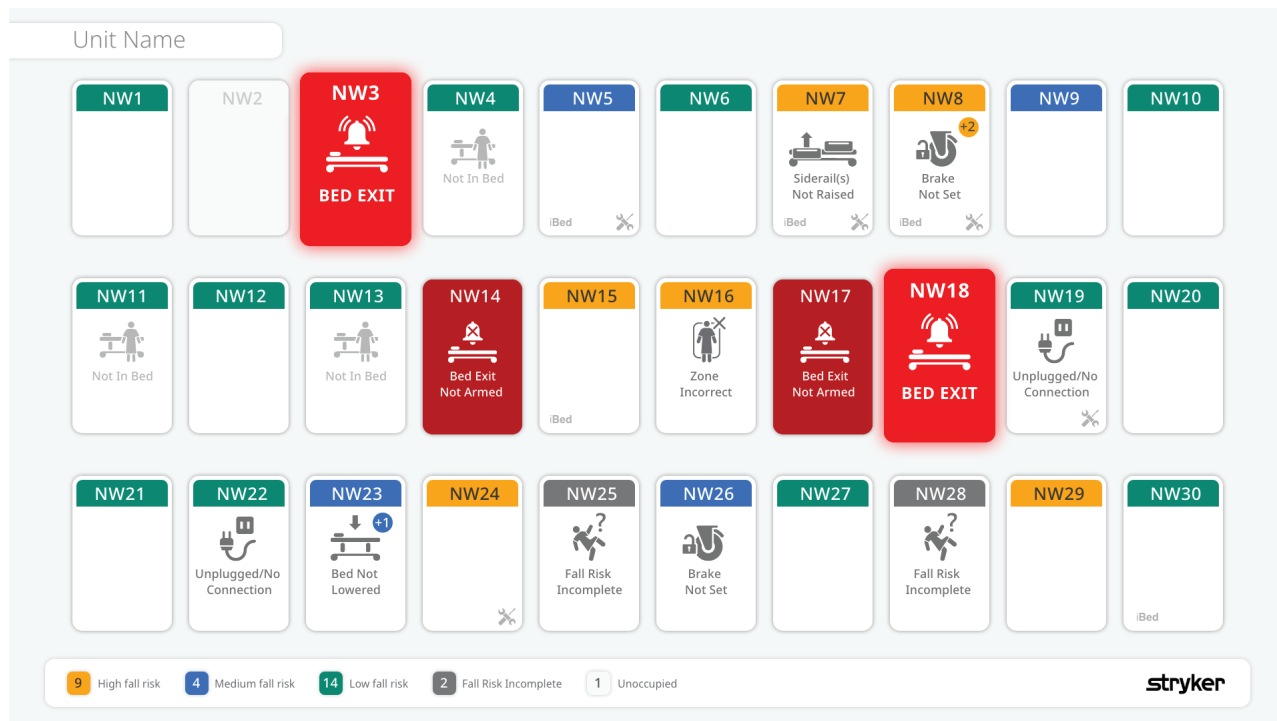- Check the display for proper operation.

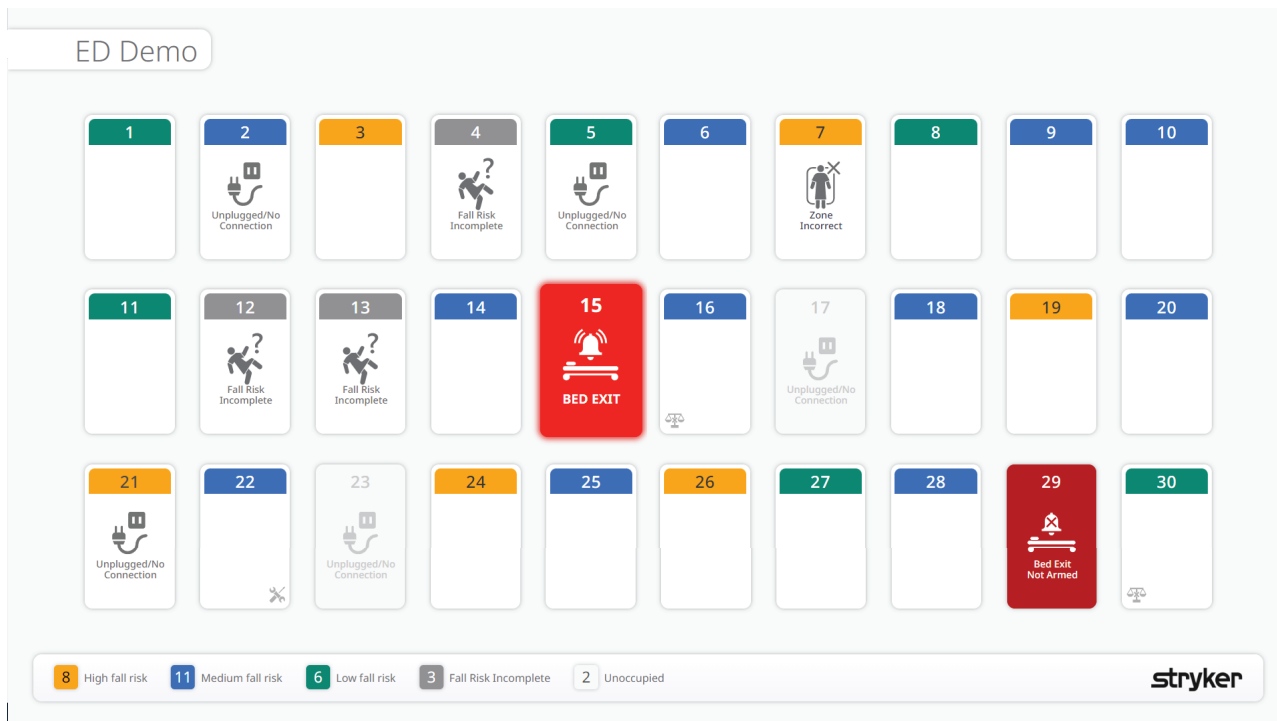**Figure 2 – Vision dashboard Stryker connected bed sample view**

Figure 3 – Vision dashboard Stryker connected stretcher sample view

Tile configuration

Each tile represents a room location for a connected product on the **Vision** dashboard. The color on the tile changes based on the priority or risk level. Icons and text help the operator to determine what action to take.

Note - The color on the top of the tile can change based on the color palette selected by the healthcare facility. The whole tile turns red for BED EXIT and Bed Exit Not Armed alarms.
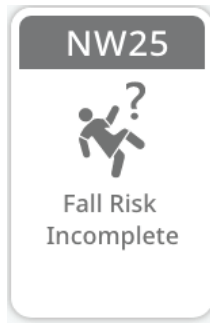
Figure 4 – Unit name and location example
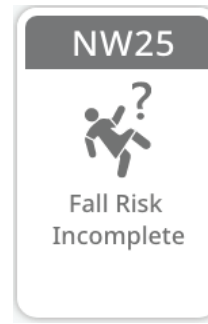
Figure 5 – Single violation example
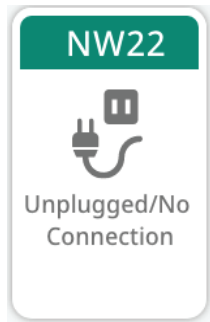
Figure 6 – Icon and text example
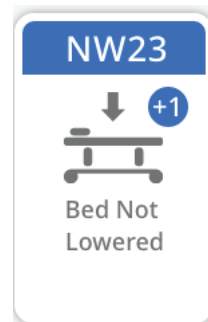
Figure 7 – One plus violation (beds only) example

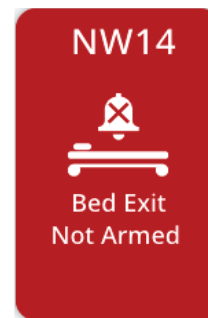**Figure 8 – BED EXIT alarm full color example**

Figure 9 – Bed Exit Not Armed full color example

Unit summary

The unit summary is located at the bottom of the **Vision** dashboard. The unit summary counts in near real-time the state of each tile (Figure 10).

Note - Contact your healthcare facility IT administration if the unit summary is not visible on the **Vision** dashboard.

The unit summary includes:

- The color for each fall risk level is based on your color palette selection.
- The number of patients by fall risk (high, medium, or low)
- The number of patients with fall risk incomplete (patient is admitted to room without a fall assessment score in the EHR)
- The number of unoccupied products

| 9 High fall risk | 4 Medium fall risk | 14 Low fall risk | 2 Fall Risk Incomplete | 1 Unoccupied |

Figure 10 – Unit summary example

Default color palette

The healthcare facility may choose the default color palette, color blind palette, or alternative colors.

	Flashing red tile (+BED EXIT) The patient moved beyond the selected zone and triggered the BED EXIT alarm. The display produces an audible alarm. The location may require the urgent attention of nursing personnel.
	Red tile (+Bed Exit Not Armed) Bed Exit Not Armed alarm is triggered for patients with a high fall risk profile. The location may require the urgent attention of nursing personnel.
	Yellow tile The location is occupied by a patient with a high fall risk profile.
	Blue tile The location is occupied by a patient with a medium fall risk profile.
	Green tile The location is occupied by a patient with a low fall risk profile.
	Gray tile The location is unoccupied. The product does not detect a patient or EHR data.
	White tile No violation, armed, and good state. Product assigned, no patient assigned

Color‑blind palette option

	Flashing red tile (+BED EXIT) The patient moved beyond the selected zone and triggered the BED EXIT alarm. The display produces an audible alarm. The location may require the urgent attention of nursing personnel.
	Red tile (+Bed Exit Not Armed) Bed Exit Not Armed alarm is triggered for patients with a high fall risk profile. The location may require the urgent attention of nursing personnel.
	Yellow tile The location is occupied by a patient with a high fall risk profile.
	Pink tile The location is occupied by a patient with a medium fall risk profile.
	Purple tile The location is occupied by a patient with a low fall risk profile.
	White tile No violation, armed, and good state. Product assigned, no patient assigned.

Stryker connected bed icons and text on tiles

For Stryker connected beds, these icons appear on the **Vision** dashboard tiles with the appropriate color.

Text and icon	Explanation
BED EXIT	A flashing red background tile color. The patient moved beyond the selected zone and triggered the BED EXIT alarm. The display produces an audible alarm. The location may require the urgent attention of nursing personnel.
Bed Exit Not Armed	Bed Exit Not Armed alarm is triggered for patients with a high fall risk profile. The location may require the urgent attention of nursing personnel.
Not In Bed	The bed does not detect patient weight.
Siderails Not Raised	The siderails are not raised.
Brake Not Set	The brake is not set.
Bed Not Lowered	The bed height is not lowered.
Zone Incorrect	The zone on the product does not match the fall risk in the EHR.
Unplugged/No Connection	The product is disconnected from the network or the product power cord is unplugged.
Fall Risk Incomplete	Fall risk assessment is incomplete in the EHR.

A plus-sign icon indicates that more violations are applied to a tile. The additional icons appear after the current icon clears. The icons display in order of priority set in the **Vision** dashboard (Figure 11).
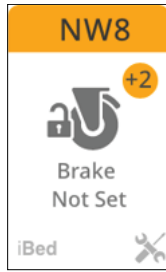
Figure 11 – Icon display

Icon	Explanation
	Generic violation.
	Product at this location reports a device error and requires service.
iBed	**iBed** Awareness system is active for this product and location (Model 3005 **S3** MedSurg Bed). **iBed** Watch system is active for this product and location (Model 3009 **ProCuity** Bed).

Stryker connected stretcher icons and text on tiles

For Stryker connected stretchers, these icons appear on the **Vision** dashboard tiles with the appropriate color.

Text and icon	Explanation
BED EXIT	A flashing red background tile color. The patient moved beyond the selected zone and triggered the BED EXIT alarm. The display produces an audible alarm. The location may require the urgent attention of nursing personnel.
Bed Exit Not Armed	Patient EHR set to high fall risk. Patient not in stretcher (no minimum patient weight on the product).
	Patient EHR set to high fall risk. Patient on the product (minimum weight on the product) triggers the Bed Exit not armed.
Fall Risk Incomplete	Fall risk assessment is incomplete in the EHR.
Zone Incorrect	The zone on the product does not match the fall risk in the EHR.
Unplugged/No Connection	The product is disconnected from the network or the product power cord is unplugged.

Icon	Explanation
	Patient weight from the Stryker connected stretcher is not recorded in the EHR. Setup is required for this feature.
	Product at this location reports a device error and requires service. Setup is required for this feature.

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