

***da Vinci Xi*[®] Surgical System**

Readiness Guide



For the United States

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Contact Information

For Customer Service and Reporting of Complaints or Adverse Events

Use the following information for customer service, including ordering, reporting complaints or adverse events, and general information regarding Intuitive Surgical or our products and services.

In the U.S.

Intuitive Surgical, Inc.
1266 Kifer Road
Sunnyvale, CA 94086 USA
Toll free: 1.800.876.1310
Direct: 408.523.2100
Fax: 408.523.2377

For Technical Support

If the system requires maintenance or service, please call our Technical Support line. In the US, call 1-800-876-1310, where phones are staffed 24 hours a day, seven days a week.

If you have questions regarding the use, cleaning, sterilizing or storing of Intuitive Surgical devices used with the Intuitive Surgical da Vinci Xi Surgical System, please contact Intuitive Surgical Customer Service at the phone number above.

Section 1. Sterile Processing Requirements

A hospital should have these 3rd party products before starting procedures with the *da Vinci Xi* Surgical System.

Cleaning - Instruments & Accessories		
<div><input type="checkbox"/> Washer/Disinfector (for automated cleaning)</div> <div>May require capital purchase</div>	The following washer/disinfectors have been validated for the automated cleaning cycle.	
	Manufacturer	Model
	Belimed www.belimed.com	WD 290
	Getinge www.getinge.com	88 Turbo
	Medisafe www.medisafeinternational.com	SI PCF*
	Steris www.steris.com	Vision
	Note: A custom basket may be required for <i>da Vinci Xi</i> instruments. Contact the manufacturer for more information. *Note: Only the Medisafe SI PCF is validated for use with the <i>Xi</i> Stapler 30 and <i>Xi Single-Site</i> ® products.	
<div><input type="checkbox"/> Ultrasonic bath that meets the minimum recommendations</div> <div>May require capital purchase</div>	The following ultrasonic baths are examples of baths that meet minimum recommendations: (Note: This is not an all-inclusive list. Any baths that meet the minimum requirements can be used.)	
	<div><input type="checkbox"/> Ultrasonic frequency: 38 kHz or greater</div> <div><input type="checkbox"/> Power density: 48 watts/gallon or greater (watts/gallon = ultrasonic output/internal tank volume)</div> <div><input type="checkbox"/> Tank size should be adequate to fully submerge the instruments and accessories. Instruments have a maximum length of 26 in (66 cm).</div>	
	Manufacturer	Model
	Ultra Clean Systems 877-935-6624 www.ultracleansystems.com	Ultra Clean Systems Triton 36
	Steris 800-548-4873 www.steris.com	Caviwave Pro w/custom basket* Basket Product Code: CRP1723
	Medisafe America 877-444-6334 www.medisafeamerica.com	SI PCF w/custom basket* Basket Product Code: M18960
	Belimed 800-451-4118 www.belimed.com	UW 565 w/custom trays (UC0565D)* Tray Product Codes: UC0507 (TOP) and UC0508 (BOTTOM)
	*For customers with existing ultrasonic baths, contact the manufacturer to purchase a custom basket/tray designed for <i>da Vinci Xi</i> instruments.	

Sterilization - Instruments & Accessories			
<input type="checkbox"/> Instrument and Sterilization Trays	The following trays have been validated for use with <i>da Vinci Xi</i> instruments and accessories.		
	Manufacturer	Model(s)	Product Code
	Summit Medical 888-229-2875 www.summitmedicalusa.com	<i>Xi</i> Multi-port Procedure Tray (Accessories and 6 instruments)	IN-8937
		<i>Xi Single-Site</i> Procedure Tray (Accessories and 6 instruments)	IN-8912
		<i>Xi</i> Multi-port Six Instrument Tray (no accessories)	IN-8936
		<i>Xi</i> Multi-port One Instrument Tray (no accessories)	IN-8931
		<i>Xi Single-Site</i> One Instrument Tray (no accessories)	IN-8911
		<i>Xi</i> Accessory Tray (no instruments)	IN-8939
		<i>Single-Site</i> Accessory Tray (no instruments)	IN-8913
		<i>Xi</i> 45/30mm Stapler Tray	IN-8932
<input type="checkbox"/> Legally marketed steam-permeable lubricant that is pH neutral and silicone free			
<input type="checkbox"/> Pre-vacuum steam sterilizer	Instruments and accessories have been validated using the minimum parameters provided in the table below		
	Parameter	Value	
	Sterilization Type	Pre-vacuum	
	Minimum Temperature	270°F (132°C)	
	Full Cycle Exposure Time	4 minutes	
	Minimum Dry Time	50 minutes	
	Configuration	Double wrap sterilization tray.	

Cleaning and Sterilization - Endoscopes			
<div><input type="checkbox"/> Endoscope low-temp sterilizer</div> <div>May require capital purchase</div>	The following low-temp sterilizers have been validated for use with <i>da Vinci Xi</i> 8 mm endoscopes.		
	Manufacturer	Model(s)	
	ASP (Sterrad Systems) 888-783-7723 www.aspjj.com	100NX “Express Cycle” Only	
		Note: 400 weight wrap or lighter is required.	
		Note: An upgrade may be required to enable the Express Cycle. Contact ASP for details.	
	Steris Corporation 800.333.8828 www.steris.com	100S	
		V-Pro® maX (all cycles)	
V-Pro 1			
	V-PRO® 1 Plus (all cycles)		
<div><input type="checkbox"/> Endoscope sterilization trays</div>	Sterilization trays are sold by Intuitive Surgical and included with a system purchase (1 per endoscope).		
	Manufacturer	Sterilization Tray	Product Code
	Intuitive Surgical	8mm Endoscope Tray	400490

Other Items for Cleaning - Instruments, Accessories and Endoscopes			
<input type="checkbox"/> Luer fitting for flushing	One Luer fitting is provided in the cleaning and sterilization kit. Other Luer fittings are not compatible.		
<input type="checkbox"/> Brush with soft, nylon bristles	One brush is provided in the cleaning and sterilization kit.		
	Below are examples of similar brushes that can be used.		
	Manufacturer	Model(s)	Product Code
	Case Medical 201-313-1999 www.casemed.com	Nylon Single-ended Brush	BRS07
		Nylon Double-ended Brush	BRD07
	Aspen Surgical 888-364-7004 www.aspensurgical.com	Double-ended Nylon Cleaning Brush	243004BBG
<input type="checkbox"/> For cleaning: Cold water [50-77° F (10-25° C), potable or better as defined in TIR34:2007] pressurized at a minimum of 30 psi [pressure gauge and regulator recommended]			
<input type="checkbox"/> For final rinse & flush: Cold water [50-77° F (10-25° C), High Purity as defined in TIR34:2007]			
<input type="checkbox"/> Sink			
<input type="checkbox"/> Enzymatic cleaner that is pH neutral to mildly alkaline (pH ≤ 11)			
<input type="checkbox"/> Plastic tub to soak and protect products during cleaning. If using a portable tub to transport products, ensure there is a secure lid. The tub should be 22.5 in. x 25.5 in. x 4 in. (57.2 cm x 64.8 cm x 10.2 cm) or larger to fit products.			
<input type="checkbox"/> Syringe with Luer tip			
<input type="checkbox"/> Compressed dry air to facilitate drying			
<input type="checkbox"/> Soft, lint-free cloth			

The *da Vinci Xi* Cleaning & Sterilization Kit provided with each system includes the following items. Additional cleaning & sterilization kits can be ordered at no charge by contacting customer service.

Cleaning & Sterilization Kit (PN 470600)*

Quantity	Item
1	Reprocessing instructions, wall charts, and other documentation (country dependent)
1	Luer fitting for flushing
1	Pipe-to-hose adapter
1	Brush with soft, nylon bristles
5	Tip Cover Insertion/Removal Tool for Monopolar Curved Scissors

*English-only version shown. For other languages, contact Customer Service. The Cleaning and Sterilization Kit may not be available in all languages.

Section 2. Installation Requirements

The *da Vinci Xi* Surgical System will first arrive at the hospital receiving area. Intuitive Surgical Field Service personnel will uncrate and partially assemble the system in the receiving area. Then the system will be moved to the operating room where the final installation will be completed.

I. Receiving Area (Loading Dock)

The uncrating process will take up to 3 hours in the receiving area.

- ☐ Notify receiving personnel that the uncrating process can take up to 3 hours.
- ☐ Receiving door minimum size to accommodate the Patient Cart crate on a pallet jack:
 - Height of 90 in (229 cm)
 - Width of 60 in (152 cm)
- ☐ Floor space of 20 ft (6 m) x 20 ft (6 m) to uncrate the system
- ☐ Pallet jack with 5500-lb (2500-kg) capacity

Crate Dimensions

	Surgeon Console	Patient Cart	Vision Cart
Height	65.5 in (166 cm)	87.5 in (222 cm)	81.5 in (207 cm)
Width	48 in (122 cm)	50 in (127 cm)	49 in (124 cm)
Depth	47.5 in (121 cm)	70 in (178 cm)	44 in (112 cm)
Weight	793 lbs (360 kg)	2292 lb (1039.6 kg)	788 lb (357.4 kg)

II. Transporting from Receiving Area to Operating Room

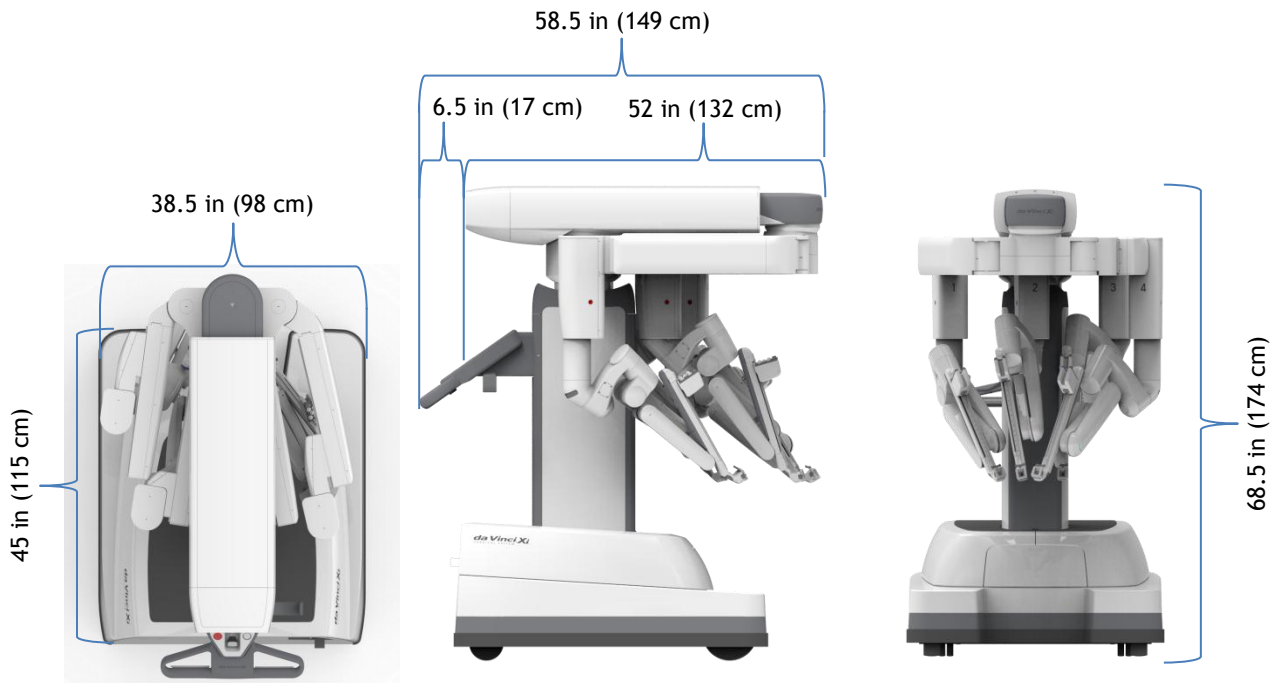
There needs to be a clear pathway and ample room to move each of the uncrated system components from the receiving area to the operating room.

- ☐ Doorway and hallway minimum dimensions:
 - Height of 84 in (213.4 cm)
 - Width of 48 in (122.0 cm)
- ☐ Elevator minimum requirements:
 - Capacity of 2100 lb (953 kg)
 - Floor space of 70 in x 48 in (178 cm x 122 cm)
- ☐ Review any irregularities in the floor (e.g., uneven floor, steps, ramps with a corner step, undulations, etc.)

System Dimensions

	Surgeon Console	Patient Cart	Vision Cart
Height (min)	57 in (145 cm)	68.5 in (174 cm)	76 in (193 cm) with touchscreen stowed
Height (max)	70 in (178 cm)	97 in (247 cm)	87.5 in (223 cm) with touchscreen extended
Width	38 in (97 cm)	38.5 in (98 cm)	26.6 in (68 cm)
Depth	34 in (87 cm)	58.5 in (149 cm)	36.5 in (93 cm)
Weight	~580 lb (264 kg)	~1810 lb (821 kg)	570 lb (258.5 kg)
Ground Clearance	1.9 in (48 mm)	1.9 in (48 mm)	4 in (10.2 cm)

Stowed for Transport



Section 3. Operating Room Requirements

I. Power Requirements

To avoid overloading circuits, all three components - Vision Cart, Patient Cart, and Surgeon Console - must operate on separate, dedicated power circuits. Do not connect ancillary devices such as insufflators or energy devices on the same circuit as the system components, particularly the Vision Cart, because it has large power requirements.

- ☐ Ensure enough circuits are available in the operating room.
- ☐ Ensure enough power is provided by the available circuits.

Dedicated Circuits Required for 115 VAC, 60 cycles at 15 amperes

Circuit	Voltage VAC	Ampere Service	Component
1	115	15*	Vision Cart
2	115	15	Patient Cart
3	115	15	Surgeon Console 1
4	115	15	OPTIONAL - Surgeon Console 2
5	115	As needed	OPTIONAL - ERBE VIO dV integrated electrosurgical generator This circuit can be shared with other auxiliary devices such as an insufflator, 3 rd party ESU, video recorder, etc.

*Circuit breaker for the Vision Cart needs to be suitable for motor-transformer loads (for example, tripping characteristic “K”).

Dedicated Circuits Required for 230 VAC, 50 cycles at 10 amperes

Circuit	Voltage VAC	Ampere Service	Component
1	230	10*	Vision Cart
2	230	10	Patient Cart
3	230	10	Surgeon Console 1
4	230	10	OPTIONAL - Surgeon Console 2
5	230	As needed	OPTIONAL - VIO dV integrated electrosurgical generator This circuit can be shared with other auxiliary devices such as an insufflator, 3 rd party ESU, video recorder, etc.

*Circuit breaker for the Vision Cart needs to be suitable for motor-transformer loads (for example, tripping characteristic “K”).

Power Specifications - Main Components

	Surgeon Console	Patient Cart	Vision Cart (excludes VIO dV)
Voltage	100-230 VAC 50/60 Hz Auto Sense	100-230 VAC 50/60 Hz Auto Sense	100-230 VAC 50/60 Hz Auto Sense
Rating and Typical Current	1000 VA Continuous 8.4 A at 115 V~ 4.2 A at 230 V~	1200 VA Continuous 7.5 A at 115 V~ 3.8 A at 230 V~	1500 VA Continuous 12 A at 115 V~ 6 A at 230 V~
Typical Current in Sleep Mode	0.7 A at 115 V~ 0.35 A at 230 V~	1.0 A at 115 V~ 1.0 A at 230 V~	2.0 A at 115 V~ 1.2 A at 230 V~
Typical Current in Sleep Mode (battery charging)	NA	8.5 A at 115 V~ 4.6 A at 230 V~	NA
Maximum Inrush Current at 230 VAC	24.1 A	56.0 A	63.6 A
Backup Power	NA	5 min	NA
Surge Protected	Yes	Yes	No

Power Specifications - Vision Cart Components

	Core	Endoscope Controller	Video Processor	VIO dV Electrosurgical Generator
Voltage	100-230 VAC 50/60 Hz Auto Sense	100-230 VAC 50/60 Hz Auto Sense	100-230 VAC 50/60 Hz Auto Sense	100-120 or 220-240 VAC 50/60 Hz T8A / T4A
Power	650 VA Continuous	450 VA Continuous	175 VA Continuous	920 VA maximum
Back-Up Power	NA	NA	NA	NA

II. Environmental Requirements

The *da Vinci Xi* Surgical System is designed to be operated and stored indoors. The environmental requirements for operating, storage, and transport are listed below.

Environmental Specifications: Operating

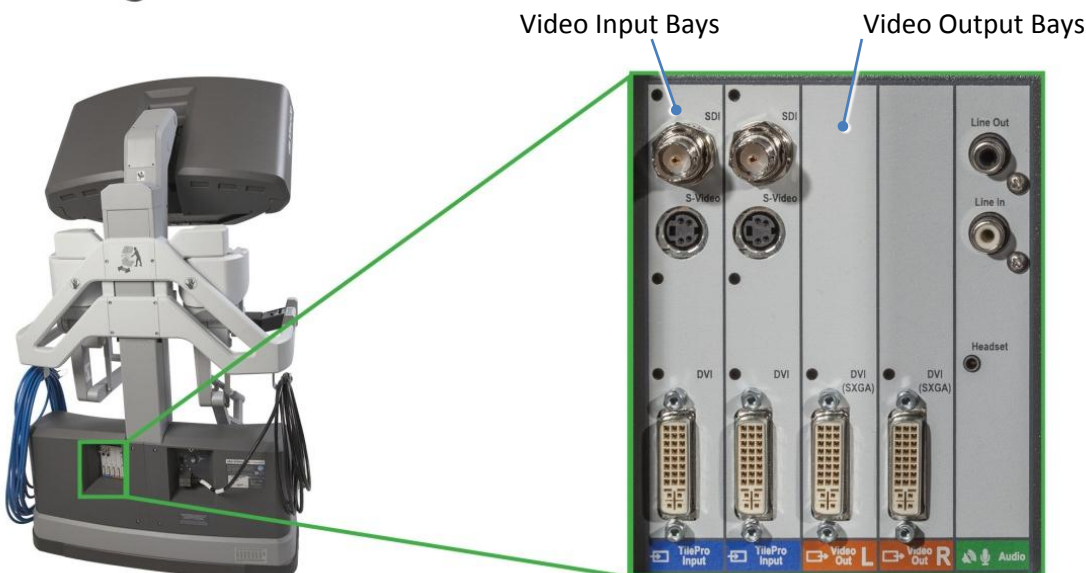
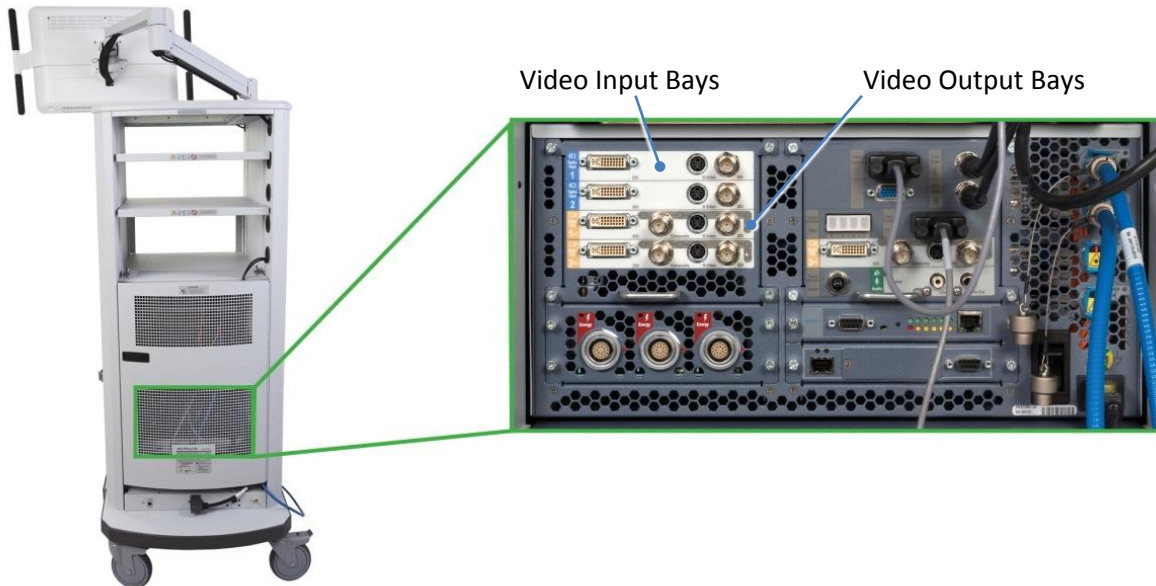
Room Temperature	10° to 30° C (50° to 86° F)
Humidity	10% to 85% Non-condensing
Atmospheric Pressure	The <i>da Vinci Xi</i> System shall function properly in atmospheric pressures ranging from 523 mm Hg (10000 ft) to 774 mm Hg (-500 ft). For every 1000 feet above sea level, the 30° C operational temperature limit specified above will be reduced by 1° C. (For example, the maximum operating temperature at 5000 feet will be 25° C, and the maximum operating temperature at 10000 feet will be 20° C.)

Environmental Specifications: Storage and Transport

Room Temperature	-10° to 55° C (14° to 131° F)
Humidity	5% to 95% non-condensing for transport 10% to 85% non-condensing for storage

III. Video Inputs/Outputs

The *da Vinci Xi* Surgical System can simultaneously output video images to 5 different video devices and display up to 2 auxiliary video inputs.



Video Outputs

Three video output bays are located on the rear of the Core in the Vision Cart. The video output format and graphics overlay can be configured for each bay. Each output bay has four connectors, but can only output one video format at a time.

Output Type	Number of Outputs	Format
DVI (analog & digital)	3	Auto configured ¹ or DVI-D (720p) user selected
Composite	3	NTSC or PAL ²
S-Video	3	
SDI (digital)	3	
		720p or 1080i
1. Automatically configured video supports XGA, SXGA, WXGA+ (analog and digital), and 720p (digital only). 2. NTSC or PAL is determined by country.		

Two additional output bays are located on the surgeon console, which only have a DVI connection.

Output Type	Number of Outputs	Format
DVI (analog & digital)	2	SXGA

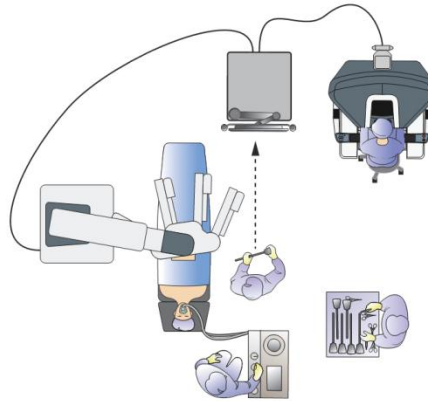
Video Inputs

Two input bays are located on the Vision Cart and two are located on each Surgeon Console. Each input bay has three connectors, but can only input video from one at a time.

Input Type	Number of Inputs	Format
DVI (analog & digital)	2	Auto configured ¹ or DVI-D (720p) user selected
S-Video	2	NTSC or PAL ²
SDI (digital)	2	
		720p or 1080i
1. Automatically configured video supports XGA, SXGA, WXGA+ (analog and digital), and 720p (digital only). 2. NTSC or PAL is determined by country.		

Section 4. Operating Room Layout

The operating room layout will depend on the type of procedures being performed, and the location of booms, lights, anesthesia connections, operating table, and other items.



Vision Cart Positioning

- ☐ Place outside the sterile field where it can be easily accessed by the circulating nurse, close enough to the Patient Cart to allow unrestricted camera cable and electro-cautery cord movement during surgery (~10 feet, or 3 meters).
- ☐ Position the monitor so it can be accessed by the circulating nurse and easily viewed by the patient-side assistant.
- ☐ Cables between the Vision Cart and patient (e.g., insufflator, electro-cautery, grounding pad, etc.) should be routed away from pathways.
- ☐ Maximize use of Vision Cart shelves with ancillary equipment (e.g., insufflators, video recorders, etc.) to minimize OR footprint. Note: the Vision Cart requires a dedicated circuit and cannot be shared with ancillary equipment.

Surgeon Console Positioning

- ☐ Place outside the sterile field away from traffic flow or without impeding direct access to the patient (e.g., after scrubbing in).
- ☐ Rotate the console so there is a clear line of communication from the surgeon to the patient-side assistant that is within visibility of the patient.
- ☐ Fiber-optic cable should be routed away from doorways and heavy traffic.

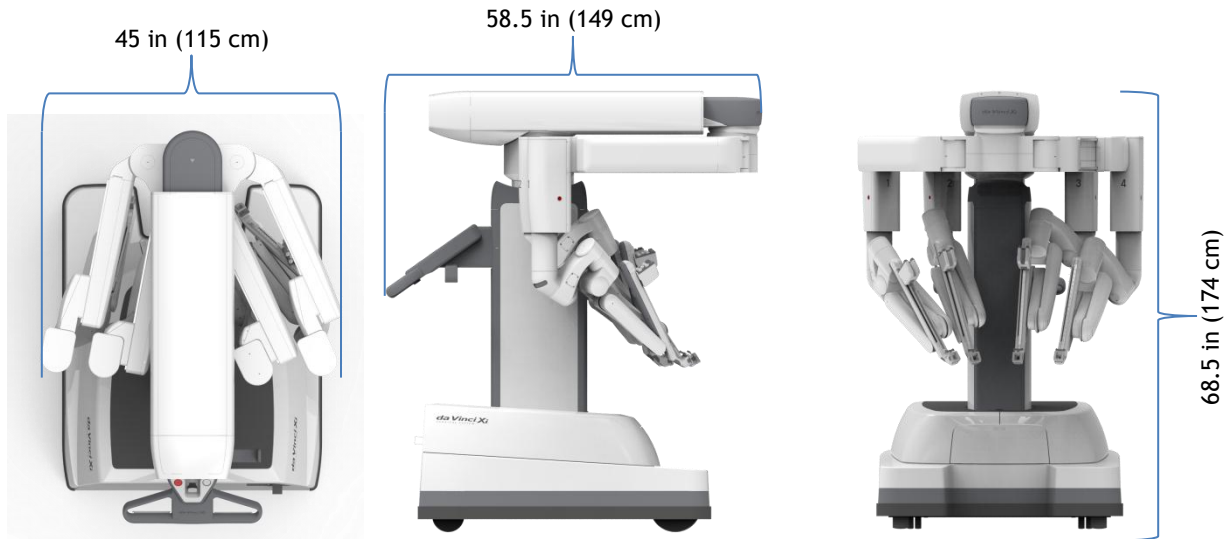
Patient Cart Positioning

- ☐ Place cart in an open space in the operating room to prepare for the start-up sequence.
- ☐ Provide adequate room for full extension of the arms during draping.
- ☐ The area between the draping location and the operating table should be clear so the Patient Cart can be moved into the sterile field without obstruction.
- ☐ During surgery, the sterilely-draped cart will be positioned at patient side within the sterile operating field in a location where no one is expected to stand or require access to the patient.

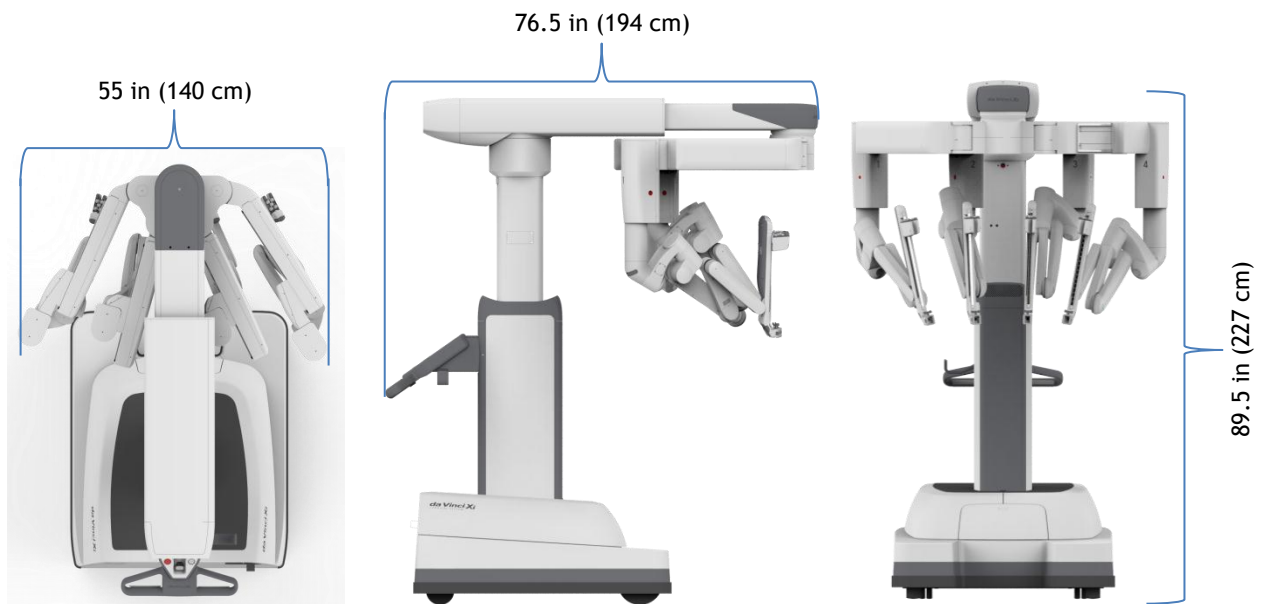
Patient Cart Space Requirements

The size of the Patient Cart needs to be accounted for since it is used in close proximity to other equipment in the operating room. When deployed in the OR, the length of the Patient Cart will range from approximately 76.5 in to 96.5 in (194 cm to 245 cm) depending on the approach to the patient. The diagrams below show the size of the Patient Cart in typical configurations.

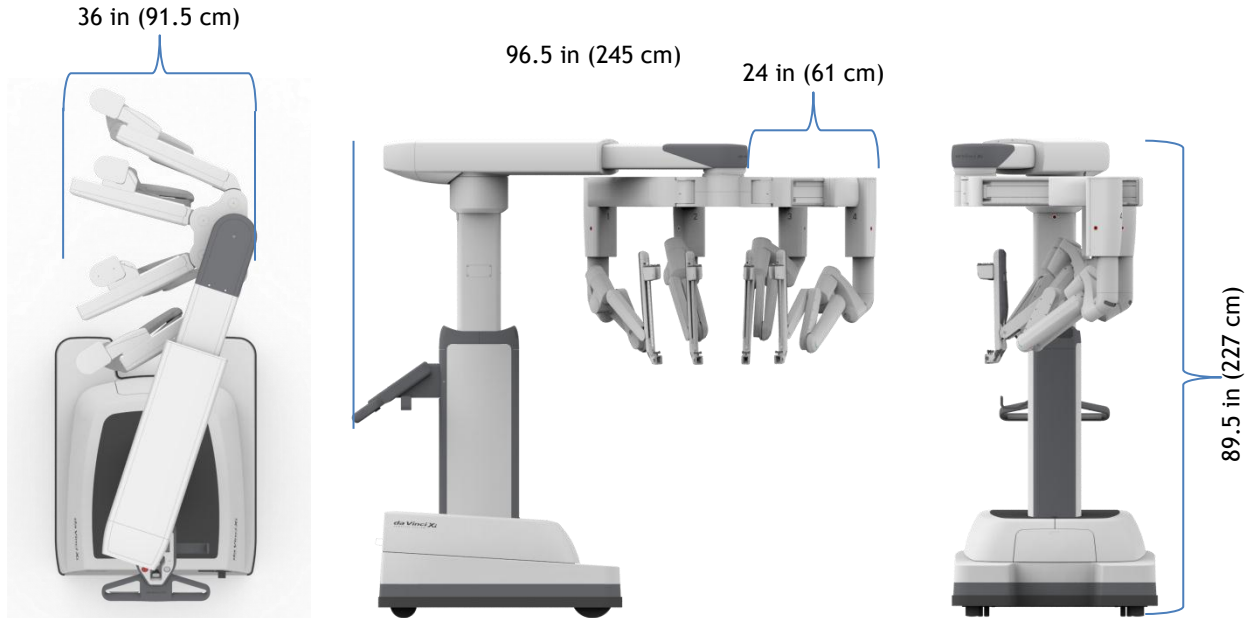
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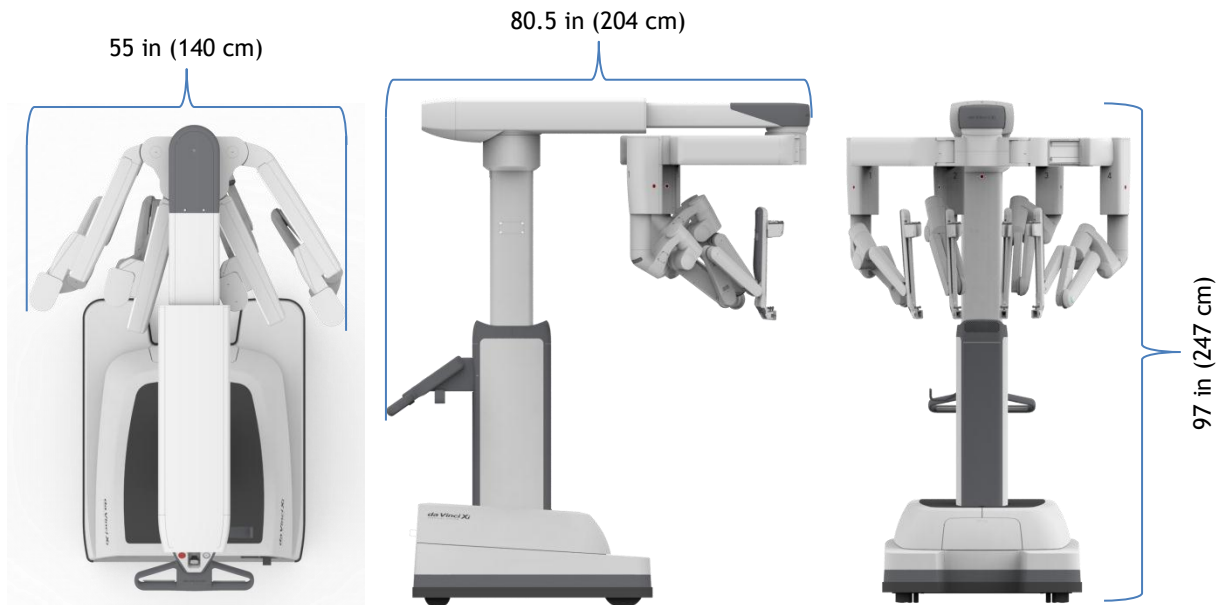
Deploy for Docking - Straight



Deploy for Docking - Rotated



Maximum Boom Deployment



Immovable Objects

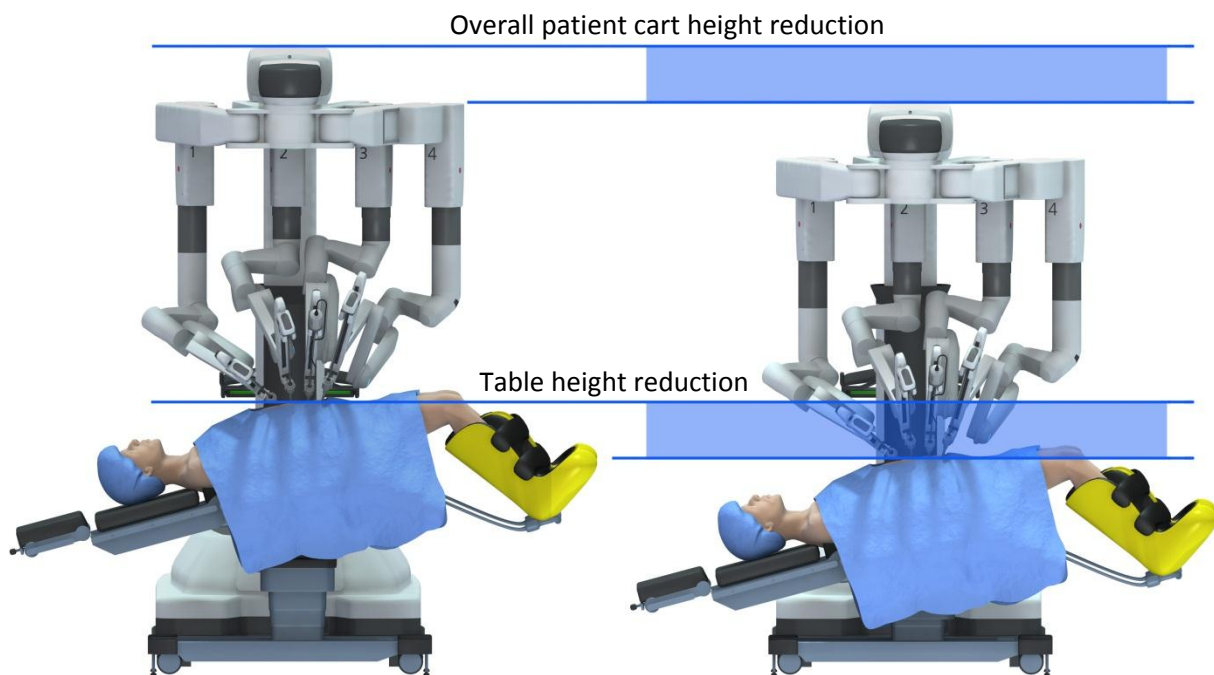
Booms, lights, anesthesia connections, and other immovable objects may need to be avoided in the operating room.

- ☐ The Patient Cart has a maximum height of 97 in (247 cm). To help avoid contacting objects on the ceiling, the maximum height of the Patient Cart can be electronically limited.
- ☐ If there is a low ceiling-mounted boom in the center of the operating room, the Patient Cart may need to be shifted to one side or the other.
- ☐ If there are two ceiling-mounted booms, they should be at least 114 in (290 cm) apart so that the Patient Cart can fit between them.

Table Height

The overall height of the Patient Cart can be reduced by using a table with low height. A low table will enable the ports to be placed closer to the floor, which will then allow the Patient Cart height to be reduced during the procedure.

The diagram below demonstrates how the overall height of the Patient Cart can be reduced by using a table with a low height.



Section 5. 3rd Party Surgical Accessories

Some surgeons have found the products listed below, made by other manufacturers (3rd party manufacturers), to be helpful for use in procedures performed with a *da Vinci Xi* System. Where particular brands of 3rd party products are indicated, Intuitive Surgical has evaluated compatibility of the 3rd party products only to assure that these products do not interfere with the proper functioning of the *da Vinci Xi* System. For additional information on the functionality or appropriate use of such products, or to verify that a 3rd party product is available in your region, contact the 3rd party manufacturer directly. Other similar products may also be compatible for use with the *da Vinci Xi* System, but Intuitive Surgical has not subjected such other products to compatibility testing.

Endoscope Use and Handling			
<input type="checkbox"/> Long Mayo stand	The endoscope, camera, and cable are integrated in a single unit. In order to manage the device, a long Mayo stand may be helpful.		
<input type="checkbox"/> Endoscope cleaners	Use moistened sterile gauze to wipe the tip of the endoscope. Note: It is not necessary to use anti-fogging solutions with <i>da Vinci Xi</i> System endoscopes.		
Specialty Accessories - Clips / Clamps / Probes			
<input type="checkbox"/> Instrument Clips	The following clips are compatible with the instruments listed below.		
	Manufacturer	Clip	Instrument
	Teleflex Medical 866-246-6990 www.teleflexmedical.com	Weck <i>Horizon</i> Small-Wide (Red) Titanium Clips Product code #001201 or #001205	Small Clip Applier
		Weck Medium-Large (Green) <i>Hem-o-lok</i> Polymer Clips Product code #544230	Medium- Large Clip Applier
		Weck Large (Purple) <i>Hem-o-lok</i> Polymer Clips Product code #544240	Large Clip Applier

<input type="checkbox"/> Instrument Clamps	The following clamp is compatible with the <i>EndoWrist ProGrasp™</i> instrument.		
	Manufacturer	Clamp	Product Code
	Scanlan International 800-328-9458 www.scanlaninternational.com	Reliance 25 mm Straight Bulldog Clamp	
		1 clamp	3795-50
	4 clamps and 1 sterilization tray	9999-50	
<input type="checkbox"/> Surgical Ablation Probe	The following surgical ablation probe is compatible with the <i>EndoWrist Cardiac Probe Grasper</i> instrument.		
	Manufacturer	Ablation Probe	Product Code
	Medtronic 800-633-8766 www.medtronic.com	Cardioblate® CryoFlex 10 cm surgical ablation probe	60SF2
Electrosurgical Products			
<input type="checkbox"/> Electrosurgical Generator	The ERBE VIO <i>dV</i> generator built into the <i>da Vinci Xi</i> System incorporates monopolar and bipolar energy. As an alternative, the <i>da Vinci Xi</i> System is also compatible with the following generator.		
	Manufacturer	Model	
	Covidien (Valleylab) 800-722-8772 www.covidien.com	ForceTriad	
<input type="checkbox"/> Patient Return Electrode	The following dual/split patient return electrodes can be used with the ERBE VIO <i>dV</i> generator.*		
	Manufacturer	Return Electrode	Product Code
	ERBE USA 770-955-4400 www.erbe-med.com	NESSY® Omega Monitoring Pad	20193-084
		NESSYPlate 170	20193-074
	Covidien (Valleylab) 800-722-8772 www.covidien.com	REM Polyhesis™ Adult Patient Return Electrode	E7507
	3M Health Care 800-228-3957 www.3m.com/healthcare	Universal Electrosurgical Pad, split with cord	9165
	ConMed 800-448-6506 www.conmed.com	SureFit™ Dual Dispersive Electrode	410-2000
	*The ERBE VIO <i>dV</i> generator is designed for use with duty cycles of 25% or less. For further information, see the manufacturer's instructions.		

Operating Room Products			
<input type="checkbox"/> Operating Room Table	The following table is designed for use with the <i>da Vinci Xi</i> System.		
	Manufacturer	Table	
	TRUMPF Medical Systems 843-534-0606 www.us.trumpf.com	TruSystem 7000dV	
System Accessories			
<input type="checkbox"/> Surgeon Chair	The following chair is designed for use with <i>da Vinci</i> Systems.		
	Distributor	Chair Model	Product Code
	Interior Office Solutions 800-796-4336 www.interiorofficesolutions.com/surgeonchair	Surgeon Chair	IS1865
Video Recording & Display			
<input type="checkbox"/> HD Recorder	The following HD video recorder can be used.		
	Manufacturer	Model	
	MediCapture 888-922-7887 www.medicapture.com	USB300	
<input type="checkbox"/> 3DHD Recorders & Displays	The following 3DHD recorders and displays can be used.		
	Manufacturer	Item	Product Code
	Lightspeed Design Group 425.637.2818 www.depthq.com	DepthQ [®] Mobile [™] 3D Visualization Cart - with record & playback	DQM-47P
		DepthQ [®] Mobile [™] 3D Visualization Cart - display only	DQM-32MG
	Sony Electronics 201-930-7320 www.sony.com/medical	2D/3D Blu-ray Network HD Recorder	HVO-3000MT
		24 in. 2D/3D Medical Grade HD Monitor	LMD-2451MT
		42 in. 2D/3D Professional HD Monitor	LMD-4251TD
Arm Drape (for 3-arm <i>da Vinci</i> procedures)			
<input type="checkbox"/> Stowed Arm Drape	The following drape can be used.		
	Manufacturer	Model	
	Spectrum Labs www.spectrumlabs.com	706952	

Section 6. Starter Kit Contents

The following items are included with the *da Vinci Xi* System starter kits. Starter kits are intended to provide training instruments and accessories for 10 or more training sessions.

Training Instrument Starter Kit

Item	Quantity	Uses
Large Needle Driver	1	30
<i>ProGrasp</i> ™ Forceps	1	30
Maryland Bipolar Forceps	1	30
<i>Hot Shears</i> ™ (Monopolar Curved Scissors)	1	30
Tip-Up Fenestrated Grasper	1	30
<i>Mega SutureCut</i> ™ Needle Driver	1	30

Accessory Starter Kit

Item	Quantity
8 mm Bladeless Obturator (Disposable)	12
8 mm Blunt Obturator	1
5 mm-8 mm Universal Seal (Disposable)	40
8 mm Cannula	4
Monopolar Energy Instrument Cord (13 ft / 4 m)	3
Bipolar Energy Instrument Cord (16 ft / 5 m)	3
Gage Pin	3
Instrument Introducer	3
Tip Cover Accessory for Monopolar Curved Scissors (Disposable)	10
Arm Drape	40
Column Drape	20
Cable, Covidien Force Triad ESU Energy Cable	1

8 mm Vision Starter Kit

Item	Quantity
Endoscope with Camera, 8mm, 0°	2
Endoscope with Camera, 8mm, 30°	2
Endoscope Sterilization Tray	4

Language Specific Items

Item	Quantity
Documentation Binder	1
Instrument Release Kit (IRK)	2
Cleaning and Sterilization Kit	1

Starter kit contents are subject to change without notice.

Important Safety Information

Serious complications may occur in any surgery, including *da Vinci*® Surgery, up to and including death. Examples of serious or life-threatening complications, which may require prolonged and/or unexpected hospitalization and/or reoperation, include but are not limited to, one or more of the following: injury to tissues/organs, bleeding, infection and internal scarring that can cause long-lasting dysfunction/pain. Individual surgical results may vary.

Risks specific to minimally invasive surgery, including *da Vinci*® Surgery, include but are not limited to, one or more of the following: temporary pain/nerve injury associated with positioning; a longer operative time, the need to convert to an open approach, or the need for additional or larger incision sites. Converting the procedure could result in a longer operative time, a longer time under anesthesia, and could lead to increased complications. Contraindications applicable to the use of conventional endoscopic instruments also apply to the use of all *da Vinci* instruments. You should discuss your surgical experience and review these and all risks with your patients, including the potential for human error and equipment failure. Physicians should review all available information. Clinical studies are available through the National Library of Medicine at www.ncbi.nlm.nih.gov/pubmed.

Be sure to read and understand all information in the applicable user manuals, including full cautions and warnings, before using *da Vinci* products. Failure to properly follow all instructions may lead to injury and result in improper functioning of the device. Training provided by Intuitive Surgical is limited to the use of its products and does not replace the necessary medical training and experience required to perform surgery. Procedure descriptions are developed with, reviewed and approved by independent surgeons. Other surgical techniques may be documented in publications available at the National Library of Medicine. For Important Safety Information, indications for use, risks, full cautions and warnings, please also refer to www.davincisurgery.com/safety and www.intuitivesurgical.com. Unless otherwise noted, products featured are available for commercial distribution in the U.S. For availability outside the US, please check with your local representative or distributor.

It is the responsibility of the owner of the *da Vinci* Surgical System to properly train and supervise its personnel to ensure that the instruments and accessories are properly cleaned, disinfected and sterilized as required by the User's Manual. The *da Vinci* products should not be used in a clinical setting unless the institution has verified that these products are properly processed in accordance with the *da Vinci* System User's Manual.

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