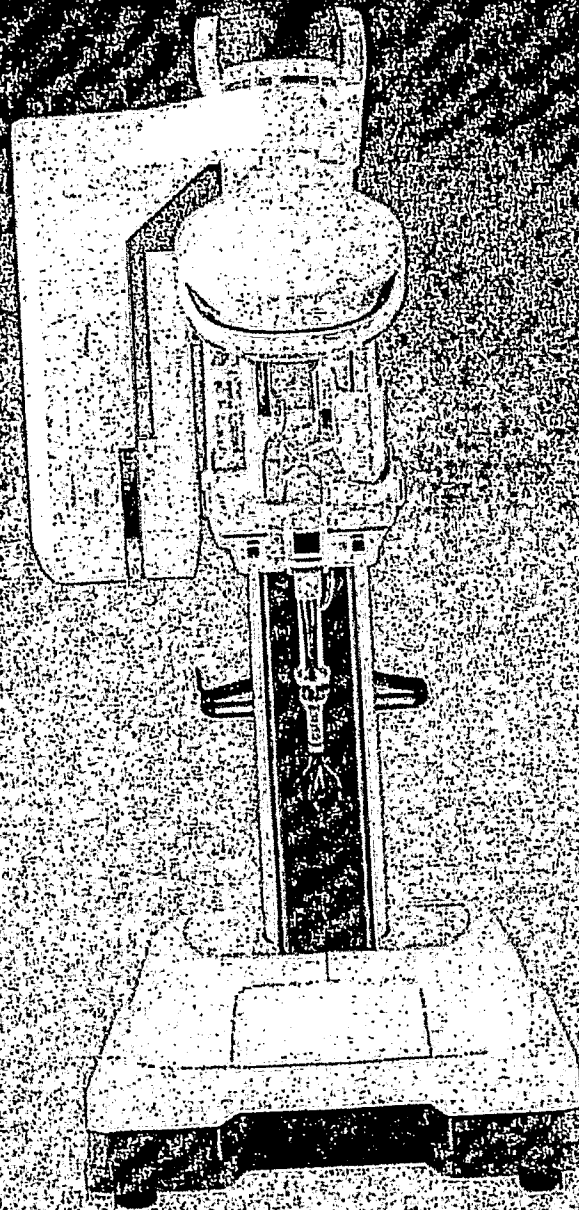


da Vinci SP[®]
SURGICAL SYSTEM



Instruments and Accessories User Manual

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Rx only

Contents

1	General Information	1
1.1	How to Use this Manual	1
	Non-Sterile	2
	Knowing What Applies—Organization of this Manual	2
1.2	Contact Information	3
1.3	Limitation on Use – Limited License	3
1.4	Indications for Use/Intended Use	3
1.5	General Warnings and Cautions	4
1.6	General Instructions	4
	Proper Care and Handling	4
	Storage Between Uses	4
	Disposal	5
2	EndoWrist SP Camera	6
2.1	Introduction	6
	Intended Use	6
	General Warnings and Cautions	6
	Device Description	7
2.2	Preoperative Preparation	8
	Inspection Before Use	8
	da Vinci SP Camera Sheath Overview	8
	Camera Sheath Installation	9
2.3	Intraoperative Use	11
2.4	Postoperative Instructions	11
	Camera Sheath Removal	11
	Disposal	12
3	EndoWrist SP Instruments	13
3.1	Introduction	13
	Intended Use	13
	General Warnings and Cautions	13
	Device Description	14
	Device Overview	15
3.2	Preoperative Preparation	16
	Inspection Before Use	16
	da Vinci SP Instrument Sheath Overview	17
	Instrument Sheath Installation	17

2 EndoWrist SP Camera

2.1 Introduction









This chapter contains general information for the *EndoWrist SP*® Camera (also referred to as endoscope) and *da Vinci SP*® Camera Sheath. For further information on the camera, refer to the *da Vinci SP* System User Manual.

Intended Use

For intended use of the camera and associated accessories, see Appendix D: Intended Use Statements.

General Warnings and Cautions

-  **WARNING:** Do not use instruments, cameras, or accessories that have been reprocessed with single-use accessories installed. Inadequate sterilization may occur when these single-use accessories, such as the MCS Tip, monopolar cautery tip, sheath, Cannula Seal, or *EntryGuide*™ (also known as Entry Guide), are installed during reprocessing.
-  **WARNING:** The *EndoWrist SP* camera and instruments must be used with the appropriate *SP* Cannula, Cannula Seal, and Entry Guide. Refer to Chapter 9 *da Vinci SP* Port Accessories for details.
-  **CAUTION:** All *EndoWrist SP* surgical instruments and the camera must be covered with sheaths designed specifically for use with the *da Vinci SP* System before surgical use.
-  **CAUTION:** Always have a backup camera and instruments available to complete the surgical procedure in case of failure.
-  **CAUTION:** Handle the camera carefully. The camera is delicate and can be broken if dropped or struck. Adhere to the sterilization, inspection, and connection requirements.
-  **CAUTION:** Handle the camera cable carefully. If bent sharply or kinked, it can damage the internal fibers. Damage to the camera cable can occur through repetitive actions during use in surgical or cleaning procedures. Such damage can substantially reduce the amount of light transmitted through the cable.

Device Description

The camera is an articulated instrument that includes a small stereo three-dimensional (3D) camera with a 73-degree field-of-view (FOV) located at the distal end of the shaft. The camera acquires 3D video from the surgical site in high definition (HD). The HD video is processed by the system electronics in the Vision Cart and displayed on the Surgeon Console 3D viewer and Vision Cart touchscreen.

The surgeon controls the camera with a single hand control (master). The camera does not feature shaft roll, but the elbow and wrist joints enable the surgeon to move the camera tip (at the distal end) to select a vantage point to visualize the surgical scene.

The camera consists of the tip, wrist, forearm, elbow, shaft, housing, release buttons, cable, and connector (Figure 2.1).

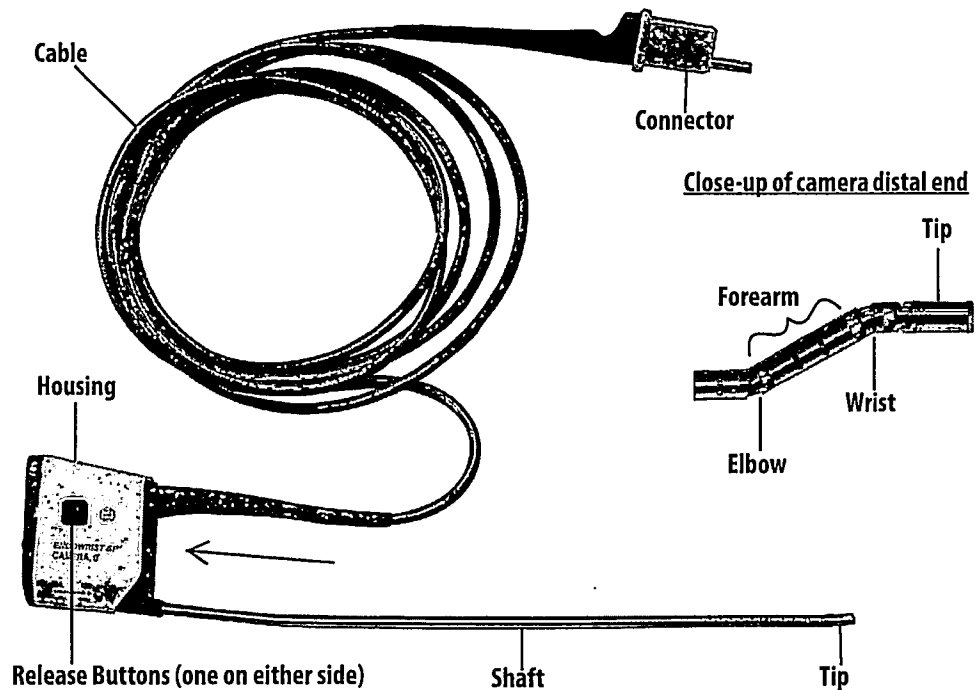


Figure 2.1 Camera

VISION CART TOUCHSCREEN

The surgeon controls the camera with a single hand control feature shaft roll, but the elbow and wrist joints enable the s (the distal end) to select a vantage point to visualize the surgery. The camera consists of the tip, wrist, forearm, elbow, shaft and connector (Figure 2.1).

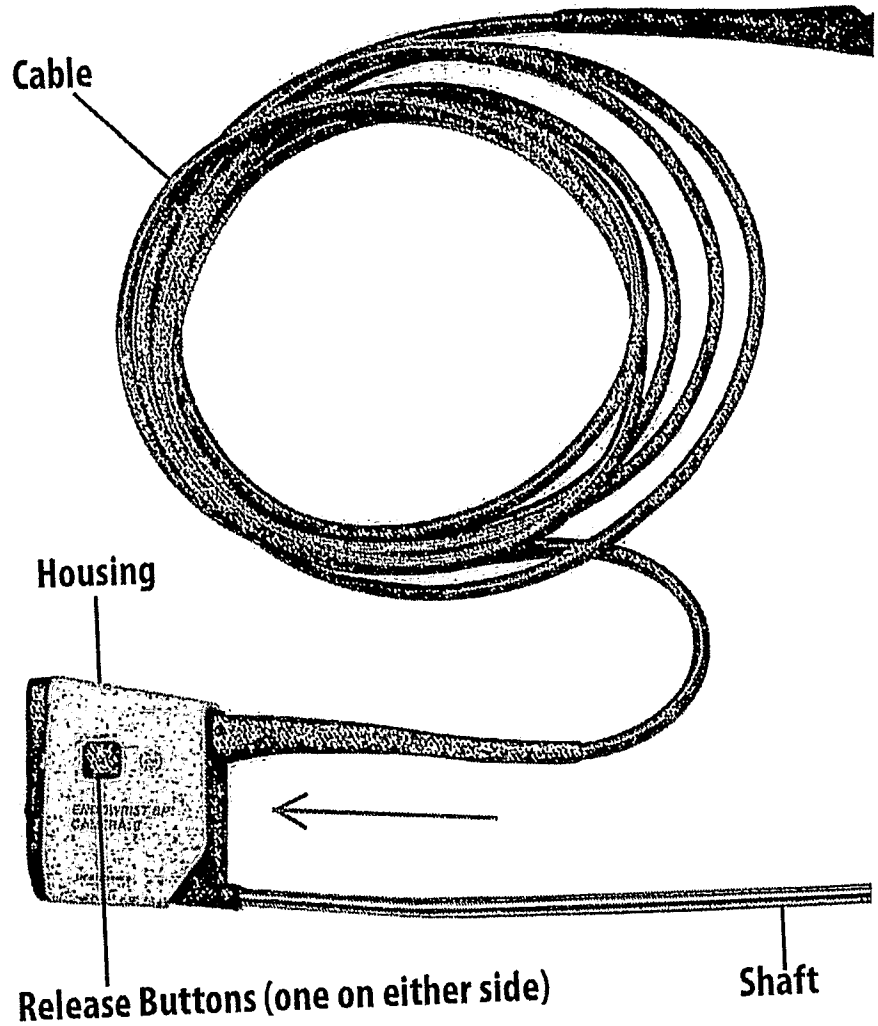


Figure 2.1 Camera