

Video Camera Inserts for Rigid Endoscopes

These instructions detail the care and use of the Video Camera Insert for rigid endoscopes. They are not recommendations for the medical or surgical application of these accessories.

Any physician using this accessory should be thoroughly familiar with the surgical procedure being performed prior to its use.

The accessories are sold by American Medical Systems for use with the 532nm Surgical Laser System only. Refer to the Laser System Operator Manual Safety and Professional Information Sections for specific instructions concerning warnings, cautions, contraindications and clinical use of the laser.

Description	REF Reorder No.
Video Camera Insert (1.25" diameter)	0010-0721
Video Camera Insert (.95" diameter)	0010-0722
Video Camera Insert (1.25" diameter)	0010-0725
Video Camera Insert (.95" diameter)	0010-0726

Description

The Video Camera Insert for rigid endoscope is a single component composed of a transparent filter material mounted in a disc-shaped metal holder. This Insert is used during surgical procedures which require an endoscopic video camera and endoscope. It can also be used with an endoscopic camera and a beam splitter for direct visualization.

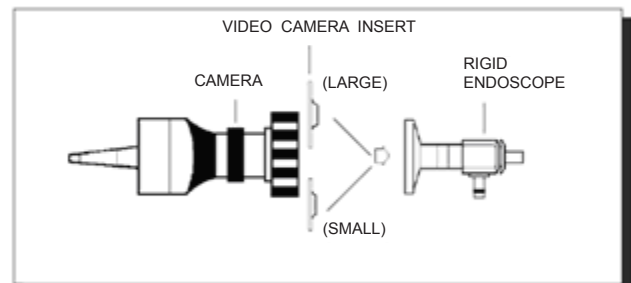
This Insert offers both camera and eye protection for 532nm light with optical density of (O.D.) of 5 at this wavelength. As a camera filter only, this Insert replaces the previous Video Camera Insert part number 10-2200. As a Camera/Eye Filter Insert it replaces the previous Insert part number 10-0720. This Insert has the same diameter as the eyepiece on a typical endoscope (1.25") and is designed to fit between the eyepiece and the camera. The 0.95" versions, reorder number 10-0722 & 10-0726, are used when the camera will not attach properly because of the added thickness of the Video Camera Insert housing. This version, with its smaller diameter, is designed to fit into the cup of the eyepiece of the endoscope.

Instructions for Use

1. Ensure that the Video Camera has been cleaned per the cleaning procedure. (See Cleaning)
2. When used as a Video Camera Insert only, place the Insert into the camera C-Mount connector. The flat side of the Insert is placed flush with the camera. The raised portion of the Insert is placed in the eyepiece of the scope.
3. Connect the endoscope and camera by following the instructions for your individual camera.
4. If the camera will not attach properly to the endoscope because of added thickness of the Insert housing, then the alternative smaller Insert (part numbers 10-0722 and 10-0726) should be obtained from American Medical Systems. This type fits into the cup of the endoscope eyepiece.
5. When used as a Camera/Eye Filter Insert, place the Insert into the beam splitter C-Mount connector. The flat side of the Insert is placed flush with the beam splitter. The raised portion of the Insert is placed in the eyepiece of the scope. Note that the Insert is placed between the endoscope and the beam splitter.

WARNING

THE VIDEO CAMERA INSERT MUST BE PLACED BETWEEN THE ENDOSCOPE AND VIDEO CAMERA CONNECTION. THIS POSITION PROVIDES PROTECTION FOR BOTH THE CAMERA AND THE PEOPLE DIRECTLY VIEWING THE PROCEDURE. FAILURE TO POSITION THE INSERT IN THIS LOCATION COULD CAUSE EYE DAMAGE.



6. Connect the beam splitter and camera by following the instructions for your individual camera.
7. Follow your usual instructions for white balance, focusing and monitor adjustments.

Care Instructions

NOTE: The Video Camera Insert for Rigid Endoscope is assembled using a glass substrate coated with a multi-layer high density dielectric film especially designed for camera protection against intense green laser light. The Insert should be treated as an optical part and handled with extreme care. The glass filter must be cleaned and dried after each use, then placed in a clean protective container.



**CAUTION: NON-STERILE DEVICE.
PRODUCT MUST BE CLEANED OR STERILIZED
PRIOR TO USE.**

1. Cleaning

The glass filter of the Video Camera Insert may be cleaned by wiping the glass surfaces and surrounding metal frame with a lint-free medical grade Q-tip soaked with 2-3 drops of isopropyl alcohol (IPA) of 90% or higher concentration. The IPA must not contain additives. The use of 70% Rubbing IPA for filter cleaning may cause coating damage. The use of 70% Green IPA is not recommended for cleaning.

The following solutions should never be used for filter cleaning:


- Soap & Water
- Cleaning Enzymes (Tergazyme, Alconox)
- Cidex
- Sterrad
- Liquids containing abrasive materials

Soaking is not recommended for Video Camera Insert cleaning. The glass filter must be cleaned and dried after each use.

2. Sterilization and Reprocessing

If sterilization is desired, the Video Camera Insert may be steam sterilized as follows:

- a. Clean the glass filter and surrounding metal frame as described in step 1.
- b. Steam sterilize to the following parameters:

STERILE 	
Sterilizer type	Pre-vacuum
Pre-conditioning pulses	3
Temperature	132°C - 137°C
Dwell at temperature	3-4 Minutes
Minimum Dry Time	20 Minutes
Sample Configuration	Individually wrapped

*NOTE: Steam sterilization reduces the useful life of the Video Camera Insert. Inspect the filter after each cleaning and sterilization for coating, delamination, or damage. Do not use the Video Camera Filter if there is any evidence of damage to the coated surface which is observable with the naked eye.

CAUTION:



Inspect the Video Camera Insert before each use. Do not use the Video Camera Insert if any scratches or cracks can be seen. During use, scratches or cracks may be identified by green spots or streaks on the video monitor during lasing.
DO NOT USE DAMAGED INSERTS.

Warranty:

The warranty for this product covers only defects in the materials and workmanship for 90 days from the date of purchase. The warranty does not apply to normal wear or improper maintenance or cleaning. Should you need to return this product, call the American Medical Systems Customer Response Center for "Return Authorization". Instructions for returning product to American Medical Systems are detailed in the Accessory Return/Repair Policy.

CAUTION:

Federal (USA) law restricts this device to sale by or on the order of a physician.

	<p>American Medical Systems Innovation Center – Silicon Valley 3070 Orchard Drive, San Jose, CA 95134-2011 Customer Response Center Tel: (800) 356-7600 Fax: (408) 428-0512 www.americanmedicalsyste.ms.com</p>
	<p>American Medical Systems Europe BV Straatweg 66H 3621 BR Breukelen The Netherlands Tel: 31-346-258-100 Fax: 31-346-258-130</p>