OPERATIONS MANUAL

Deluxe Video Otoscope

MedRx INC™

Let Our Image Enhance Your Image

Deluxe Video Otoscope Manual • Rev. 2 • Effective 7/05

Congratulations on Purchasing the MedRx Deluxe Video Otoscope

The MedRx Video Otoscope System Includes:

- MedRx Patented OtoScope Probe
- MedRx High Resolution Camera
- High Resolution Sony Color Video Monitor
- High Resolution Sony Color Video Printer with Stop Action Foot Pedal
- LED Light Source with power pack
- Print Film Pack
- 3mm Specula
- Carrying Case
- All Necessary Cables and Attachments
- One Year Warranty

Options:

- Full Image/Radiograph Lens with Adjustable IRIS
- Mobile Cart with Storage Drawer and AC Power Strip
- Extended Warranty

MedRx INC™

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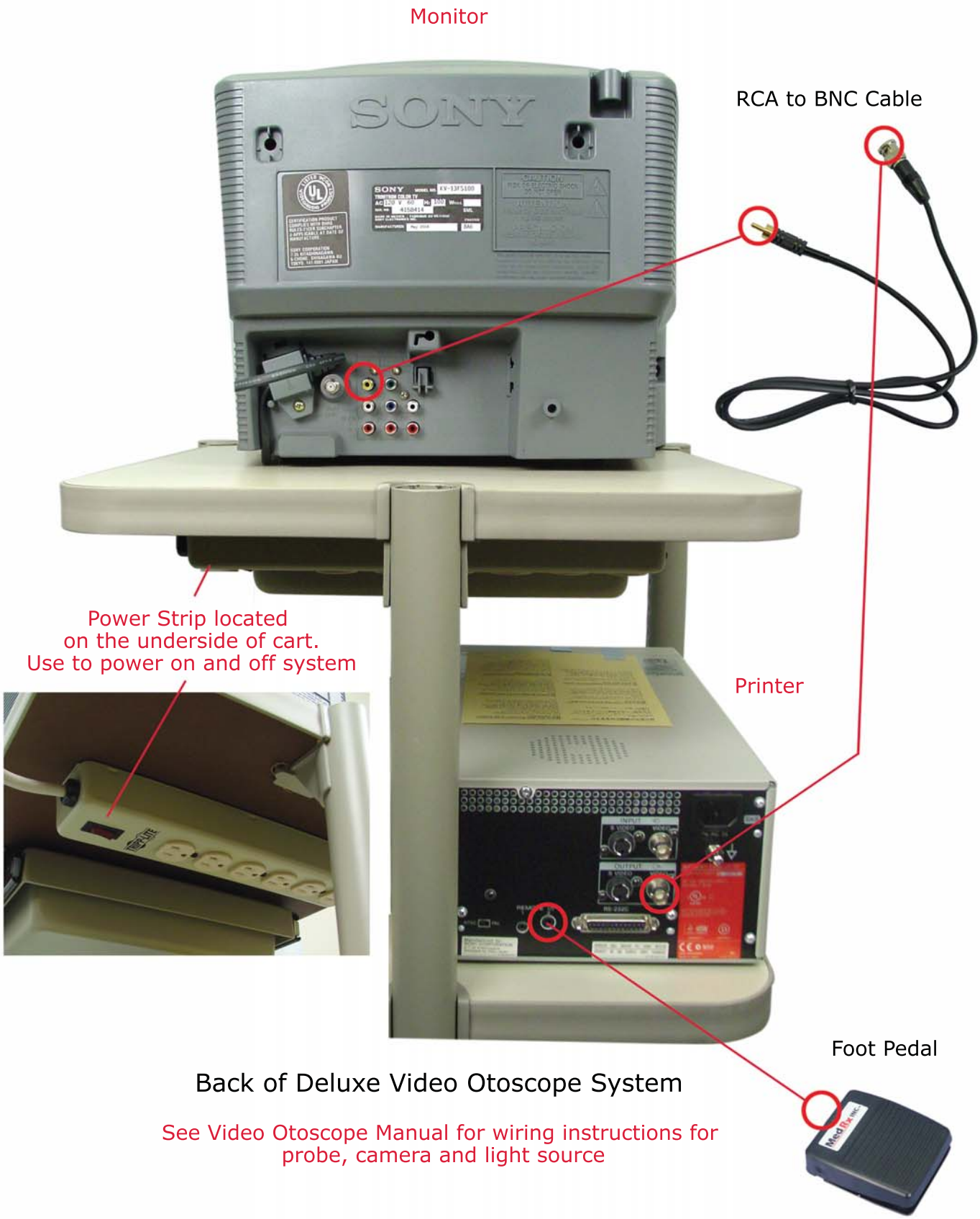

Back of Deluxe Video Otoscope System

See Video Otoscope Manual for wiring instructions for probe, camera and light source

Printer

For maximum performance of the system, familiarization with the many capabilities of the printer is recommended.

How the Printer Effects the Image on the Monitor

The video signal, which originates at the camera, travels through the control box and into the printer. It is processed in the printer and is then sent to the monitor. When the printer is off, the video signal will pass through it, although it won't freeze or print a picture.

Freezing the Image

The printer has the capability of storing and displaying 1, 2, 4, or 16 images on the screen or any combination. Images are stored by pressing the Capture button located on the front of the printer, or by pressing the Foot Pedal.

Toggling Between a Stored Image and a Live Picture

Once an image is stored, you may want to continue looking at live pictures to see if there might be a better view available than the one that is stored. **Source/Memory:** Source is a live moving picture as displayed by the camera, and Memory is the last frame stored in the printer. This Source/Memory button allows you to toggle back and forth between a stored picture and a live picture. The stored picture remains stored in the printer unless the printer power is turned off or another image is stored. Only the last stored picture is held in the printer's memory, except in cases where 1/4 or 1/16 frame splits are being taken. The arrow keys allow movement for editing.

Layout 1/2 Multi-Pictures

Since it is possible to have combinations of full, 1/2, 1/4, and 1/16 pictures combined on one monitor screen for both viewing and picture printing, it is important to know that each successive picture captured is stored on top of whatever was on the screen before. For example, if 1/4 and/or 1/16 frames are to be captured on top of a full frame picture, the full frame must be captured first. When the split function is being used, the operator can select which quadrant to use to print the split frame. The split function is learned best through trial and error. The printer manual can assist in better understanding the split function.

Caption

Up to 45 characters of alphanumeric information can be printed at the bottom edge of each picture. Once this information is entered through the keypad, it will be repeated on each print until changed, even if the power has been turned off. We recommend you practice installing your names and telephone numbers.

Print Quantity

It is possible to print from 1 to 9 prints at a time by cycling the print quantity option. Before printing multiple copies, keep the print quantity at 1 until a satisfactory print is obtained. The number of prints can be changed using the directional keys located behind the front panel.

Printer Settings

The printer settings have been set to optimum standards as pertains to use with the MedRx Video system. It is recommended that the customer not change the current settings. If the settings accidentally get changed the following are the preferred factory settings:

```
COLOR ADJUST
▶/COL/LAY/PRN/IN/OUT/
 LOAD COLOR:1/2/3
 CYN - RED :-4
 MAG - GRN :-5
 YEL - BLU :-4
 DARK      : 4
 LIGHT     : 0
 SHARPNESS : 8
 INTERPOL. :OFF/ON
 SAVE COLOR:1/2/3 [EXEC]
```

```
CAPTION ON              16
    MEDRX_VETSCOPES_
    (888)_392-1234__
    ----------------
     ABCDEFGHIJKLMN
     OPQRSTUVWXYZ
     0123456789+-=%
     '",.;:()[]{}<>
     !?&/*#$¥£@~¦'^
     INS DEL SP OFF ON EXIT
```

```
FUNCTION SETUP
▶PRN SETUP :PRESS[>]
 AUTO LIVE :OFF/ON
 IMMED.CAP.:OFF/ON
 RM2 FUNC  :/ CAP/SRC  /
 CLEAR     :/ PAGE     /
```

```
LAYOUT SETUP
▶/COL/LAY/PRN/IN/OUT/
 MEMORY    :FRAME/FIELD
 MULTI PIX :1/2H/4/16
 SEPARATE  :* * * * * *
 WINDOW    :PRESS[>]
 CAPTION   :PRESS[>]
```

```
PRINTER SETUP
▶/COL/LAY/PRN/IN/OUT/
 PRINT QTY :1 [1~9]
 INTERVAL  :* * * * * *
 GAMMA     :S/NORMAL/H
 SYSTEM    :PRESS[>]
 FUNCTION  :PRESS[>]
```

```
INPUT SETUP
▶/COL/LAY/PRN/IN/OUT/
 INPUT SEL :VIDEO/SV
 HUE       : 0
 COLOR     : 0
 GAIN      : 0
 OFFSET    : 0
 AGC       :OFF/ON
```

```
WINDOW SETUP
▶LAY SETUP :PRESS[>]
 H START   :-24 DOT(S)
 V START   :+10 DOT(S)
 H WIDTH   :864 DOTS
 V WIDTH   :460 DOTS
```

```
SYSTEM SETUP
▶PRN SETUP :PRESS[>]
 BAUDRATE  :12/2400/48/
 BEEP      :OFF/ON
 APPLI.    : STANDARD  /
```

```
OUTPUT SETUP
▶/COL/LAY/PRN/IN/OUT/
 DISPLAY   :OFF/ON
 SOURCE    :THRU/EE
 MONI C-R  : 0
 MONI M-G  : 0
 MONI Y-B  : 0
```

Please read the printer manual to become proficient with all the printer functions.

Trouble Shooting Printer:

Can't freeze picture: Check to make sure printer is on and/or make sure foot pedal is plugged in.
Printer Alarm constantly on: Mechanical failure call MedRx for service.

Monitor Settings:

• Contrast - Max • Brightness - 05 • Chroma - 03 • Phase - Standard