

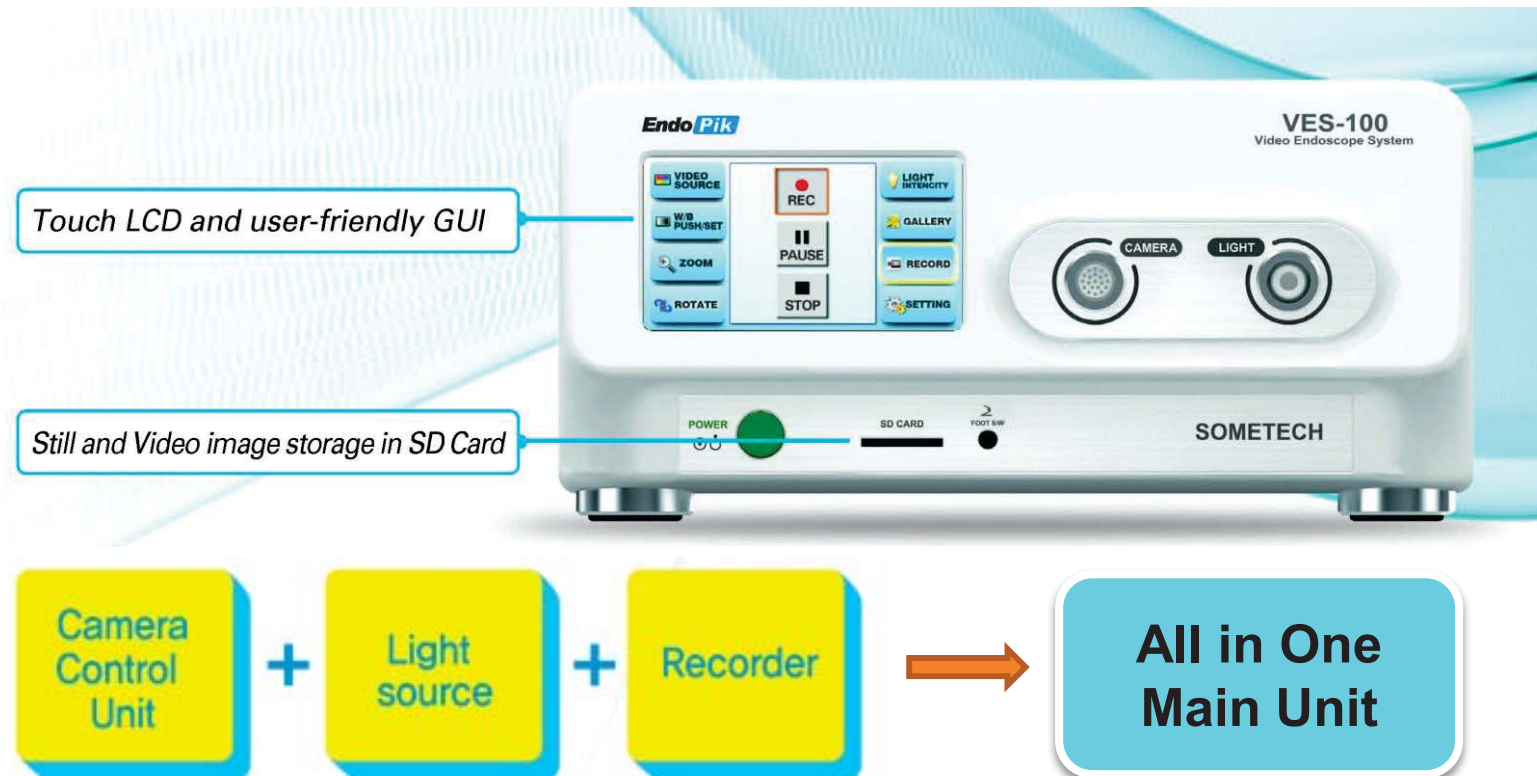


VES-100

Video Endoscopy System (Endo Pik)

1

Benefits - Main Unit



- ✓ **Main Unit Integrates Camera Control, Light Source and Recorder all in One System!**
- ✓ **User Friendly UI with LCD Touch Screen**
- ✓ **Images and Videos Can Be Saved to External SD Card**
- ✓ **LED Light Source is Brighter than Xenon 300 Watt Light**
- ✓ **HDMI and USB 3.0 Output**

Benefits - Camera Head



Durable coupler & convenient button

Compatible with Rigid Endoscopes



- ✓ **Crystal Clear Image with FULL HD 1080P Resolution**
- ✓ **Easy Zooming Up To 2x Magnification**
- ✓ **Convenient focusing by button**
- ✓ **Compact Camera Head for Easy Handling**



Crystal clear image [FULL HD]



Accessories

Light Guide Cable

SDHC Memory Card 32G Class 10

Foot Switch

USB keyboard(optional)

Scope

- Laparoscope
- Spinescope
- Otoscope
- Sinusscope
- Laryngoscope
- Hysteroscope
- Athroscope



Application

OB/GYN

Hysterectomy / Uterine Myoma / Endometriosis / Cervical Cancer /
Ovarian Tumor / Infertility Procedures / Pelvic Lymphadenectomy

G/S

Cholecystectomy / Proctocolectomy / Pancreas / Colorectal Cancer /
Nissen Fundoplication / Colectomy / Gastric Cancer

Urology

Renal Extirpation / Renal Cancer / Renal Cyst / Radical Prostatectomy /
Nephrectomy and Partial Nephrectomy / Pelvic Floor Reconstruction /
Pyeloplasty / Ureteral Cancer

Specification

Item	Section	Specification
Main Unit	Size	Width(310mm) x Height(140mm) x Depth(310mm)
	Power	Main Power: 85~264V, AC Max 100W, Universal AC Input / Full range Soft Power: Software Controlled, Power On/Off Action for System Stability
	Video Out	HDMI, 1920x1080I/60 ,1920x1080P/30
	Storage	SDHC, Standard 32G USB 2.0 Memory Storage
	GUI	5inch TFT LCD Touch Screen
	Recording	MPEG-4/H.264, File Extension *.AVI
	Image Capture	JPG, 1920x1080
	Light Source	White LED Cold Light, 6800° K

Specification

Item	Section	Specification
Camera	Size	Width(40mm) x Height(48mm) x Depth(50mm)
	Resolution	FULL-HD
	Coupler	Rigid Endoscope Compatible
	Cable Length	Camera Cable - 3 Meters Light Source Cable - 3.5 Meters
Scope	Laparoscope	(Φ5, Φ10)DOV:30°
	Spinescope	(Φ4)DOV:30°
	Otoscope	(Φ2.7)DOV:0°, 30°
	Sinusscope	(Φ2.7, Φ4)DOV:0°, 30°
	Laryngoscope	(Φ8)DOV:70°, 90°
	Hysteroscope	(Φ4)DOV:0°, 30°

Specification

Item	Section	Specification
Main Unit Menu	Video Source	Color, Bright, Contrast, Sharpness, Exposure Area, Exposure Level, Gamma Level, Default Load
	White Balance	White Balance & Push Set Focusing
	Zoom	Digital Zoom 1.0x ~2.0X (200%)
	Image Rotate	Normal (0') , Rotate(180' & flip)
	Light Intensity	Step : 0 (Off)~ 10(Max)
	Gallery View	Record, Play/Stop/Fast Play(x2 <<, >>), Delete, Copy, Rename, PageUp, PageDown, Home, End
	Settings	Target Storage, Format SDHS/USB, Recoding Resolution, Clock

Mechanical Lithotripsy Set

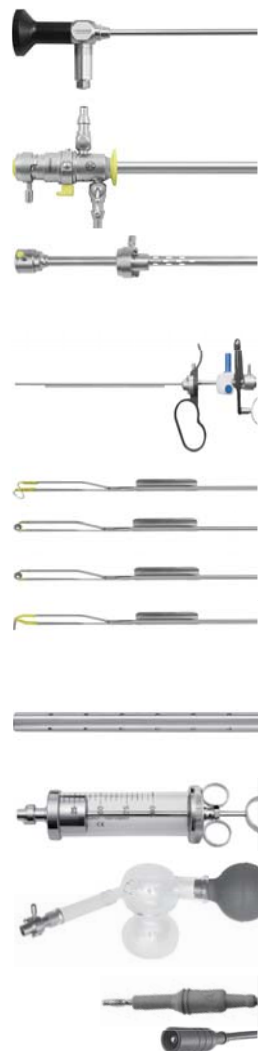
- | | |
|---|-------------|
| 1x FullHD Cystoscope, Ø 4 mm, 0°, 300 mm | # 32-4000HD |
| 1x FullHD Cystoscope, Ø 4 mm, 30°, 300 mm | # 32-4020HD |
| 1x Mauermayer stone punch, for small stones and fragments, QL | # 32-4069 |
| 1x Lithotripsy sheath incl. obturator, central valve, Ø 24 Fr., QL | # 32-4061 |
| 1x Visual obturator for lithotripsy sheath, Ø 24 Fr., Ø 7 Fr. working channel, QL | # 32-4062 |
| 1x Optical stone forceps, for small stones and stone fragments only | # 32-4066 |
| 1x Cysto-urethroscope sheath incl. obturator, 2 lateral stopcocks, Ø 25 Fr. | # 32-4090 |
| 1x Ellik evacuator | # 32-4106 |



24 / 26 Fr. Monopolar Resectoscopy Set

For Adults

- | | |
|---|---------------|
| 1 x FullHD Cystoscope, Ø 4 mm, 30°, 300 mm | # 32-4020HD |
| 1 x Resectoscopy sheath incl. obturator, continuous-flow, rotatable, Ø 24 / 26 Fr. | # 32-4205RR |
| 1 x Visual obturator with Ø 8 Fr. working channel for Ø 24 / 26 Fr. resectoscopy sheath | # 32-4228 |
| 1 x Monopolar working element, closed handle | # 32-4220 |
| 1 x Loop electrode 30°, Ø 24 Fr., monopolar | # 32-4240 |
| 1 x Ball electrode Ø 3 mm, Ø 24 Fr., monopolar | # 32-4250 |
| 1 x Ball electrode Ø 5 mm, Ø 24 Fr., monopolar | # 32-4260 |
| 1 x Knife electrode , Ø 24 Fr., monopolar | # 32-4265 |
| 1 x Protection- and autoclaving tube for electrodes and cold knives | # 32-4230 |
| 1 x Bladder syringe, 150 ml | # 32-4395-150 |
| 1 x Ellik evacuator | # 32-4106 |
| 1 x Monopolar cable, for use with monopolar Urology instruments, 3 m | # 11-1260UR |



Resectoscope Working Elements - Monopolar

UROLOGY

For 4 mm Cystoscope

For Single Stem Electrodes



25.60.0020

Working element 24/26 CH, passive cutting by spring action, closed handle



25.60.0030

Working element 24/26 CH, active cutting by finger action, closed handle



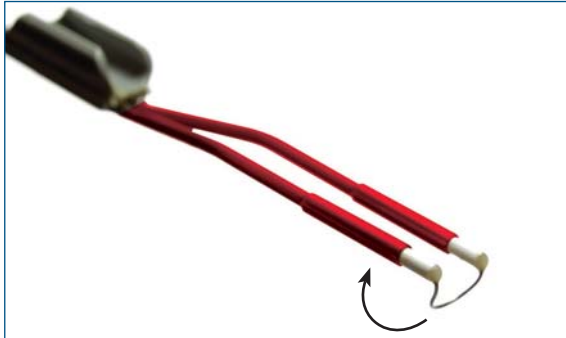
25.60.0000

Protection rod for working element

25.50.0004

Monopolar Cable for working element, 4 mm (Aesculap, Berchtold, Martin)

Plasma Edge Technology



By integrating completely the electric current flow inside the electrode.

We can provide the EDGE of the bipolar resection technology with:

- low power requirement for plasma activation
- instant activation
- no electric power on the resectoscope
- loop design similar to monopolar loop



WHY?

Power return is integrated inside the electrode

Plasma EDGE technology is simply the perfect answer to the 2 key features required by a surgeon:

SAFETY:

- Power return is directly integrated inside the electrode
- Low power requirement
- No apparent neutral electrode, therefore no thermal damage risk by tissue contact

EFFICIENCY:

- Instant activation
- Long life time wire
- Cable is completely integrated on the loop so no short-cut risk at the cable connexion

Electrode Range



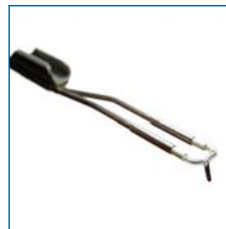
#VRU1/VRU11
Thin Loop



#VRU2/VRU21
Thick Loop



#VRUB/VRUB1
Ball Electrode



#VRUN/VRUN1
Needle Electrode



#VRUV/VRUV1
Vaporization
Electrode

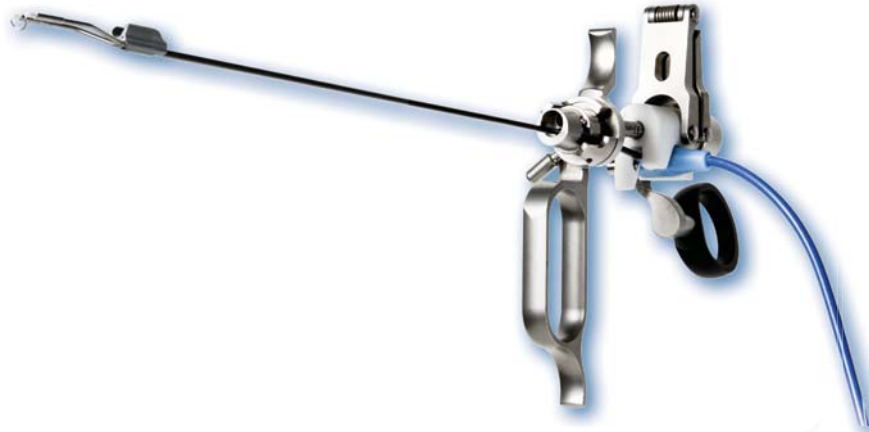
Adaptable Working Element

In order to avoid changing all the existing sets and optics present in your hospital.

Plasma EDGE provides a full range of working elements compatible with your existing resectoscope.

In that case, we exchange only the handle and keep all your accessories like optic, inner and outer sheaths, pumping system...

This gives an easy and cost effective access into the Plasma EDGE technology.



Active



Passive



Storz

#V12PR11G - #V12PR11G1
Active compatible STORZ

#V12PR10G - #V12PR10G1
Passive compatible STORZ

Olympus

#V12PR31 - #V12PR311
Active compatible OLYMPUS

#V12PR30 - #V12PR301
Passive compatible OLYMPUS

Wolf

#V12PR51 - #V12PR511
Active compatible WOLF

#V12PR50 - #V12PR501
Passive compatible WOLF

Coming soon

Electrodes for Resectoscope - Monopolar

UROLOGY



25.60.1024	Roller electrode serrated	Ø 3 mm	24 CH
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25.60.2024	Roller electrode serrated	Ø 5 mm	24 CH
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25.60.3024	Knife electrode		24 CH
25.60.3027	Knife electrode		27 CH



25.60.4024	Loop electrode, straight		24 CH
25.60.4027	Loop electrode, straight		27 CH



25.60.5024	Loop electrode, angled for 30° scope		24 CH
25.60.5027	Loop electrode, angled for 30° scope		27 CH



25.60.6024	Loop electrode, angled, for 0° scope		24 CH
25.60.6027	Loop electrode, angled, for 0° scope		27 CH



Electrodes for Resectoscope - Monopolar

UROLOGY



25.60.7024	Vaporization electrode	Ø 3 mm	24 CH
25.60.7124	Vaporization electrode	Ø 5 mm	24 CH
25.60.7027	Vaporization electrode	Ø 3 mm	27 CH



25.60.8024	Conical electrode	Ø 3 mm	24 CH
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25.60.9024	Ball electrode	Ø 3 mm	24 CH
25.60.9027	Ball electrode	Ø 3 mm	27 CH



25.60.9124	Ball electrode	Ø 5 mm	24 CH
25.60.9127	Ball electrode	Ø 5 mm	27 CH



25.60.1124	Roller electrode plain	Ø 3 mm	24 CH
25.60.1224	Roller electrode plain	Ø 5 mm	24 CH



25.60.0090	Sterilization Tube		
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6. MONITORS

OPERATING ROOM

Monitor 27" Full HD



Reference	Designation / Description
S_700794	LG MONITOR FULL HD 27"
	LG® Medical monitor Full HD 27"

SPECIFICATION

S_700794

- Panel: 27" - TFT AM LCD / IPS-PRO technology / LED backlight
- Resolution: Full HD 1920 x 1080 pixels
- Luminance: 1000cd/m2
- Contrast ratio: 1000:1
- Viewing Angle (H/V): 178° / 178°
- Aspect ratio: 16:9
- Colors: 1073 million (10-bit) / SRGB 115% (Deep Red)
- Video inputs: 1 x HDMI (1.4), 1 x S-Video, 1 x Composite, 1 x 3G-SDI, 1 x DVI-I (Compatible with D-sub & Component via adaptor)
- Video outputs: 1 x 3G-SDI, 1 x DVI-D
- Mounting: 100x100 mm VESA
- Dimensions (W x H x D): 656,4 x 412,9 x 62,2 mm
- Weight: 7 700 g
- Power supply: 100 - 240 VAC / 50 - 60 Hz

REGULATORY & ENVIRONMENT

- Electrical safety: Class 1 device, no applied parts
- Operating temperature: +0°C / +40°C
- Operating relative humidity: 0% to 80%
- Transport and storage temperature: -20°C / +60°C
- Transport and storage relative humidity: 0% to 85%
- Protection type: IP32 (IP35 front side only)
- ANSI/AAMI ES 60601-1
- CAN/CSA-C22.2 No. 60601-1
- IEC 60601-1
- EN 60601-1
- Green compliance: ROHS-2, REACH, WEEE
- Not suitable for use in the presence of a flammable anaesthetic with air or oxygen or nitrous oxide

9. MEDICAL CARTS

OPERATING ROOM

COMEG carts



- Moulded top platform
- Camera eye piece holder
- 3x Adjustable shelves
- Concealed cable management
- 4x 125mm twin castors wheels (2 with brakes)
- 2x Pushing handles
- On/Off Isolating switch panel
- Ventilated rear door with cable winders & internal documents holder
- 8-Way IEC socket
 - . 4x 2m IEC to IEC equipment cords
 - . 4x 1m IEC to IEC equipment cords
- Comeg logos on side panels and back door

Reference	Designation / Description
700800	MEDICAL CART - EU COMEG Medical cart - EU
700801	MEDICAL CART WITH TRANSF - EU COMEG Medical cart - EU with transformer
700802	MEDICAL CART - UK COMEG Medical cart - UK
700803	MEDICAL CART WITH TRANSF - UK COMEG Medical cart - UK with transformer
700804	MEDICAL CART - US COMEG Medical cart - US
700805	MEDICAL CART WITH TRANSF - US COMEG Medical cart - US with transformer