

MINIMALLY INVASIVE ADVANCED SURGICAL ENDOSCOPY



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VIDEO PROCESSOR / LIGHT SOURCE / CAMERA



VIDEO PROCESSOR / LIGHT SOURCE / CAMERA



High Definition Digital Video Laparoscope Processor System, EPX-4440

Product Code	Description
VP-4440FN	Advanced HDTV Video Processor HDTV 1920 x 1080 digital output, Auto Focus, Auto White Balance
XL-4450FN	300W Xenon Light Source 300W Xenon lamp, Auto Illumination by CCD output,
RC-4440FN	Relay Connector, use for EL-580FN
FS-1	Video Processor Foot Switch
LMP-002	Replacement Xenon Lamp w/ heat sink



FULL High Definition Video System

Product Code	Description
95-3930	Controller Full HD USB Image Capture
05-0760led	FUJIFILM High Power 300 LED Light Source
05.0740led	FUJIFILM High Power 200 LED Light Source
PS00511	USB Medical Keyboard
DTIG4/16GBCL	USB Memory Stick
A059584	Camera Cable, Mis-bus cable 0.75m
A057635	Camera Cable, Mis-bus cable 2.25m
05.9090s.v	Remote control cable between camera remote output and video peripheral units, 3.5m phone jack at cinch (RCA) Plug
zul.medizin.usa	Power Cord USA hospital grade for 95-3930 / 05.0740led



FULL High Definition Camera & Accessory

Product Code	Description
95-3901	Camera Head FULL HD Zoom
95-3902	Camera Head FULL HD fix focal length
95-3903	Camera Head FULL HD 90° Angle





VIDEO PROCESSOR / LIGHT SOURCE / CAMERA






Light Guide Cable

Product Code	Description
05.0086L	Hightrans light cable, 4.8 x 1800mm, Autoclavable
05.0090L	Hightrans light cable, 4.8 x 2300mm, Autoclavable
05.0087L	Hightrans light cable, 4.8 x 3000mm, Autoclavable
05.0084L	Hightrans light cable, 3.5 x 1800mm, Autoclavable
05.0088L	Hightrans light cable, 3.5 x 2300mm, Autoclavable
05.0085L	Hightrans light cable, 3.5 x 3000mm, Autoclavable
05.0088L.HT	Hightrans light cable, 3.5 x 2300mm, High Temperature
05.0085L.HT	Hightrans light cable, 3.5 x 3000mm, High Temperature
05.0090L.HT	Hightrans light cable, 4.8 x 2300mm, High Temperature

Light Guide Adapters / Light Source End




Product Code	Description
05.0100Z	Light Guide Adapter / Fitting to Storz light source 
05.0102b	Light Guide Adapter / Fitting to Richard Wolf light source 
05.0106c	Light Guide Adapter / Fitting to ACMI light source 
05.0101o	Light Guide Adapter / Fitting to Olympus light source 

Light Guide Adapters / Light Post Connector

Product Code	Description
05.0108Z	Light Cable Adapter / Fitting to Storz Endoscope 
05.0110b	Light Cable Adapter / Fitting to Wolf Endoscope 
05.0112c	Light Cable Adapter / Fitting to ACMI Endoscope 

VIDEO PROCESSOR / LIGHT SOURCE / CAMERA

Light Cable / Optical Adapter

Product Code	Description
05.0114Z	Optical Adapter / Storz light guide 
05.0116B	Optical Adapter / R. Wolf light guide 
05.0115z	Angulated light port adapter, Compatible with storz 

FUJIFILM DIGITAL

Video Processor System



DESCRIPTION	PRODUCT CODE
Digital Video Processor	VP-4440FN
Light Source	XL-4450FN
Relay Connector	RC-4440FN

TECHNICAL DATA

DIGITAL Video Processor: VP-4440FN

Power	AC120V / 60 Hz
Video output	DVI: (resolution: 1280×1024 pixels); HD-SDI: (resolution: 1920×1080 pixels) Ether-Net: 100/10Base
Analog output	RGB, Y/C, and Composite
Color Adjustment	Brightness, Red, Green, R-Hue, Chroma(steps), Contrast(3 steps)
Shutter Speed	1/60, 1/100, 1/200, 1/400, 1/600, 1/800
Electronic zoom	1.05 – 2.00 (Depending on endoscope)
Structure Emphasis	Hi, Mid, Lo, Off
Tone	Hi, Mid, Lo, Off
Iris mode	Average / Peak / Auto
Image Storage	CF Card
Power Rating	120v, 60Hz
Dimensions (W x H x D)	390 x 105 x 460 mm (including projection)
Weight	20.9lbs
Applicable laparoscope	EL-580FN

Light Source: XL-4450FN

Lamp rated value	Main lamp: 300W short-arc Xenon lamp Emergency lamp : 75W Halogen lamp
Light Control	Automatic light control by CCD image output
Lamp cooling method	Forced air cooling
Light Save	ON / OFF
Transmitted Illumination	ON / OFF
Power Rating	AC120V / 60Hz
Dimensions (W × H × D)	390 × 155 × 450mm (including projection)
Weight	33.1lbs
Applicable laparoscope	EL-580FN

Relay Connector: RC-4440FN

Applicable laparoscope	EL-580FN
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FUJIFILM FULL HD

Video Controller with USB



DESCRIPTION	PRODUCT CODE
FULL HD with USB image capture and algorithms	95-3930

TECHNICAL DATA

Operation control panel	On-Off, menu, white balance, photo
Video outputs	High definition: 2 x DVI (1080p), 2 x HD-SDI (1080i)
Remote outputs	2 x 3.5 mm phone jack connectors (to connect recording/printer devices)
Remote inputs	2 x 3.5 mm phone jack connectors (to connect a foot control switch)
Connectivity	FUJIFILM MIS-Bus interface
Dimensions / Weight	295 x 100 x 355 mm (W x H x D) / 4.39 kg

SYSTEM

Standard compliance	IEC 60601-1 2nd and 3rd
Directive compliance	CE-mark
Power connection	100 - 240 V AC, 50/60 Hz
Power consumption	0.8 - 0.4 A

ACCESSORIES/DESCRIPTION	PRODUCT NUMBER
USB Drive 16 GB	DTIG4/16GBCL
USB Medical Keyboard, US layout	PS00511
Foot Control Switch 1 pole, momentary mono jack plug with IPX	76226-ACAA-BZZZ-002
Sterilization Tray for Camera Heads	95-4860

FUJIFILM HIGH POWER 200 LED Light Source

PRODUCT SPECIFICATION

LED light source

PRODUCT CODE

05.0740le



TECHNICAL DATA

Lamp Illumination

Type: LED

Color temperature: approx. 6,500 Kelvin

Lifetime: > 20,000 h

Luminous flux: 1,400 lm

Operation control panel

On-Off with LED lamp

LCD display with current dimming

Button for illumination up / down

Multi light guide adapter

Connectivity

MIS-bus interface

Dimensions / Weight

295 x 130 x 355 mm(W x H x D) / 5.8 kg

Cleaning

Wiping with disinfectant

SYSTEM DATA

Standard compliance

IEC/DIN EN 60601-1 2nd and 3rd/EN 62471

Electromagnetic compatibility

EN 60601-1-2

Directive compliance

CE-mark

According to medical directive 93/42

EEC class 1

Power connection

100 - 240 V AC, 50/60 Hz, 1.0 - 0.42 A

Power consumption Approx.

140 W

FUJIFILM CAMERA HEAD

Full HD Zoom



DESCRIPTION	PRODUCT CODE
Camera Head FULL HD Zoom	95-3901
Camera Head FULL HD fix focal length	95-3902
Camera Head FULL HD 90° Angle	95-3903

TECHNICAL DATA

Image sensor	1/3" CMOS, progressive scan
Sensor resolution	1920 x 1080, 50/60p
Function keys	3 individually programmable and illuminated keys
Endocoupler	For standard ocular, lockable
Parfocal zoom	f = 14.25 - 28 mm
Waterproof connection plug	Yes
Lockable endoscope connection	Yes
Length camera cable	3.5 m
Weight camera head (without cable)	210 g

ACCESSORY DESCRIPTION

Sterilization tray for camera heads (tray with inlay to fix camera head)	95-4860
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WIRELESS SYSTEM



WIRELESS SYSTEM



ZeroWire G2

Product Code	Description
90T2070	ZeroWire G2 Pair (Tx & Rx)
90T2071	ZeroWire G2 Receive (Rx) only
90T2072	ZeroWire G2 Transmit (Tx) only

ZeroWire G2 Accessory Kits

Product Code	Description
90Z0156	ZeroWire G2 Accessory Kit - Pair: 27"
90Z0157	ZeroWire G2 Accessory Kit - Single: 27"
90Z0178	ZeroWire G2 Accessory Kit - Pair: 32"
90Z0179	ZeroWire G2 Accessory Kit - Single: 32"
90Z0175	ZeroWireG2 - Power Y Cable: NDS Display 26" - 32"



ZeroWire Mobil

Product Code	Description
90Z0161	ZeroWire Mobile

ZeroWire Mobil Accessories

Product Code	Description
30D0001	ZeroWire Mobile Power Module
30H0001	ZeroWire Mobile Wall Charger - 4 Bay
90Z0168	ZeroWire Mobile NDS Display Power Cable - 26" to 32" (Neutrik)

WIRELESS SYSTEM



NDS Monitor Without optional embedded ZeroWire G2 Rx

Product Code	Description
90R0104	Radiance Ultra 27" with Primary Board
90R0100	Radiance Ultra 27" with Primary and Secondary Digital Board
90R0112	Radiance Ultra TruColor32" with Primary and Secondary Digital Board

NDS Monitor With optional embedded ZeroWire G2 Rx

Product Code	Description
90R0109	Radiance Ultra 27" w/ Primary Board, ZeroWire G2 Rx Embedded
90R0115	Radiance Ultra TruColor 32" Display w/ Primary Board, ZeroWire G2 Rx Embedded

ZEROWIRE G2

Medical-Grade HD-Video Wireless System



DESCRIPTION	PRODUCT CODE
ZeroWire G2 Pair (Tx & Rx)	90T2070
ZeroWire G2 Receive (Rx) only	90T2071
ZeroWire G2 Transmit (Tx) only	90T2072

TECHNICAL DATA

Frequency Band	57-64 GHz
Transmitter (Tx) Video Input	DVI-D, 3G-SDI
Receiver (Rx) Video Output	DVI-D
Maximum Video Resolution Supported	1080p60
3D Video Support ¹	Interleaved (Line-by-Line), Top/Bottom, Side-by-Side via DVI-D
Compression Technology	None
Video Latency	<1 Frame, less than 16ms
Chroma Subsampling Performance	4:4:4 (DVI-D), 4:2:2 (3G-SDI)
Transmission Range ²	<30'/9.14m
Pairs Per Room	Up to 2
Patient Privacy Data Encryption	256-bit AES
Dimensions (single unit)	9.5" x 3.5" x 2.0"/241 x 89 x 51 mm (WxDxH)
Weight (single unit)	1.0 lbs/0.45 kg
Shipping Weight ³	Single unit – 2.5 lbs/1.1 kg Pair – 4.5 lbs/2 kg
Shipping Dimensions	Single unit – 13" x 10.5" x 4"/33 x 27 x 10 cm Pair – 22" x 11" x 4"/56 x 28 x 10 cm
Green Compliance	REACH, RoHS-2, WEEE
Regulatory Compliance	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, EN 60601-1, EN 60601-1-2, Conflict Minerals, FCC Part 15 Class A, ICES-003, VCCI V-3, MDD Class I, FDA Class II, FDA 510(K) Cleared, including RF module model SII-SK63102 and SII-SK63101, (RE-D) Directive 2014/53/EU, EN 302-567 V2.0.24, EN 301 489, CE, FCC ID: UK2-SII-SK6310 and UK2-SII-SK63102, IC ID: 6705A-SIISK63101 and 6705A-SIISK63102, 007AA106, 007AA107

ZEROWIRE G2 ACCESSORY KIT

Product Code	Description
90Z0156	Pair: Radiance Ultra 27"
90Z0162	Pair: Radiance Ultra 32"
90Z0157	Single: Radiance Ultra 27"
90Z0163	Single: Radiance Ultra 32"

1 3D support is only available to SMPTE compliant video timings at 1080p 59.94/50 Hz via DVI-D.

2 Follow user manual guidelines to achieve optimum performance and maximum range.

3 Shipping weights are approximate.

ZEROWIRE MOBILE

Medical-Grade Battery Display Stand



DESCRIPTION	PRODUCT CODE
ZeroWire Mobile	90Z0161

TECHNICAL DATA

Display Support	NDS 19" to 32"
Display Maximum	NDS 32", 29 lbs/13.2 kg
Height Adjustment	Centerline from 53.94"/1370mm to 69.69"/1770mm +/- 10mm
Power Module Output	24V DC, maximum 150W, 6.25A
Operating Time ¹	Approximately 5 hours with two fully charged power modules
Recharge Time	Approximately 3 hours using the wall charger
Switch Over Time	<10µs, hot swappable
Wall Power Module Charger	100-240 VAC, 50-60 Hz, 4.6A-2.3A
Green Compliance	REACH, RoHS-2, WEEE
Regulatory Compliance	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, CAN ICES-3(B)/NMB-3(B), CE, Conflict Minerals, EN60601-1, EN60601-1-2, FCC Class B, MDD 93/42/EEC, MDD Class I, FDA Class II, FDA 510(k) cleared
Supplied Accessories	VESA Display Mount with Thumb Screws (4) Non-Sterile Handle Assembly. User Manual – English with multi-language CD-ROM

ACCESSORIES

Product Code	Description
30D0001	Power Module
30H0001	Wall Power Module Charger, 4-bay with US and EU AC Power Cord
90Z0168	NDS Power Cable (Neutrik connector) EndoVue, EndoVue Plus, Radiance G2, Radiance Ultra 19" to 32" Displays NDS Power Cable (SwitchCraft connector)
90Z0169	Radiance 19", 24" and 26" Displays

¹ Power Module operating time can vary depending on power load, age of battery, and type of display.

RADIANCE® ULTRA 27"

Premium Endoscopy Visualization



DESCRIPTION	PRODUCT CODE
Radiance Ultra 27" Primary and Secondary Digital Board	90R0100
Radiance Ultra 27" w/ Primary Board,	90R0104
Radiance Ultra 27" w/ Primary Board, ZeroWire G2 Rx Embedded	90R0109

SPECIFICATIONS

Screen Size	27" diagonal
Image Size	24" x 13"/598 x 336 mm (WxH)
Resolution	1920 x 1080
Aspect Ratio	16:9
View Angle	178°
Luminance	900 cd/m2 typical @ 6500°K
Contrast Ratio	1,000:1 (nominal)
Numbers of Colors	1.07 Billion (10-bit)
Backlight Stabilization	NDS Intelli-Guard™
Color Calibration	NDS Medi-Match™
Color Gamut	BT.709 or SMPTE-C
Response Time	14ms
Latency	18ms
Video Board Configurations	Primary Board – Digital & Analog DVI-I and 3G-SDI Input/Output (supports VGA/RGB/SoG) Secondary Board – Digital 2nd DVI-D and 3G-SDI Inputs/Outputs, Analog Component/VGA
Embedded Wireless Receiver	Optional ZeroWire Embedded Receiver*
Sealed Glass	Bezel Protected, Edge-to-Edge, Chemically Strengthened
Dimensions (WxHxD)	26.7" x 17.5" x 3.3"/678mm x 445mm x 84 mm (WxHxD)
Weight	19.5 lbs/8.9 kg (primary board only)
Shipping Weight ¹	w/ Secondary Digital Board – 32 lbs/14.5 kgw/ Secondary Analog Board – 31 lbs/14 kg
Shipping Dimensions	33" x 9" x 22"/84 x 23 x 56 cm
Green Compliance	REACH, RoHS-2, WEEE
Regulatory Compliance	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, Conflict Materials, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD 93/42/EEC, Class I Medical Device, designed to meet IPX6 , CCC
Reg. Comp. with ZeroWire Embedded	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, FCC Class B, CAN ICES-3(B) / NMB-3(B); EN60601-1, EN60601-1-2, MDD 93/42/EEC, EU Class I Medical Device, US Class II Medical Device, (RE-D) Directive 2014/53/EU, this device contains module: SII-SK63101, EN 302-567 V2.0.24, CE, FCC ID: UK2-SII-SK63101, IC ID:6705A-UK2-SII-SK63101, designed to meet IPX6, 007AA106
Supplied Accessories	Power Supply, 100-240 VAC, 50-60 Hz to 24 VDC, 6.25 AAC power cord, region appropriate User Manual – English with multi-language CD-ROM

¹ Shipping weights are approximate.

RADIANCE® ULTRA TRUCOLOR 32” Premium Endoscopy Visualization



DESCRIPTION	PRODUCT CODE
Radiance Ultra TruColor 32" w/Primary Board Only	90R0114
Radiance Ultra TruColor 32" w/Primary and Secondary Digital Board	90R0122
Radiance Ultra TruColor 32" w/Primary ZeroWire G2 Rx Embedded	90R0115

SPECIFICATIONS

Screen Size	31.5" diagonal
Image Size	27" x 15"/698 x 393 mm (WxH)
Resolution	1920 x 1080
Aspect Ratio	16:9
View Angle	178°
Luminance	650 cd/m2 typical @ 6500°K
Contrast Ratio	1,000:1 (nominal)
Numbers of Colors	16.7 Million
Backlight Stabilization	NDS Intelli-Guard™
Color Calibration	NDS Medi-Match™
Color Gamut	120% of BT.709
Response Time	10ms
Latency	18ms
Video Board Configurations	Primary Board – Digital & Analog – DVI-I and 3G-SDI Input/Output (supports VGA/RGB/SoG) Secondary Board – Digital – 2nd DVI-D and 3G-SDI Inputs/Outputs, Analog Component/VGA
Embedded Wireless Receiver	Optional ZeroWire Embedded Receiver
Sealed Glass	Bezel Protected, Edge-to-Edge, Chemically Strengthened
Dimensions	30.7" x 20" x 3.4"/780mm x 509mm x 87mm (WxHxD)
Weight	29 lbs/13.2 kg (primary board only)
Shipping Weight ¹	40 lbs/18.2 kg
Shipping Dimensions	36" x 9" x 29"/ 92 x 23 x 74 cm
Green Compliance	REACH, RoHS-2, WEEE
Regulatory Compliance	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, Conflict Minerals, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD 93/42/EEC, Class I Medical Device, Designed to meet IPX6, CCC
Regulatory Compliance with ZeroWire Embedded	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, FCC Class B, CAN ICES-3(B) / NMB-3(B); EN60601-1, EN60601-1-2, MDD 93/42/EEC, EU Class I Medical Device, (RE-D) Directive 2014/53/EU, this device contains module: SII-SK63101, EN 302-567 V2.0.24, CE, US Class II Medical Device, FDA cleared, FCC ID: UK2-SII-SK63101, IC ID: 6705A-SIISK63101, Designed to meet IPX6, 007AA106
Supplied Accessories	Power Supply, 100-240 VAC, 50-60 Hz to 24 VDC, 6.25 AAC power cord region appropriate User Manual – English with multi-language CD-ROM

¹ Shipping weights are approximate.

SYSTEM ANCILLARY



SYSTEM ANCILLARY



CO2 Insufflator

Product Code	Description
2205989	F104 Insufflator 40L
FM134-N01	FM134, Insufflator High Flow 50L

Insufflator Accessory

Product Code	Description
Z0499-01	High Pressure Tube, CO2, Bottle connection PON index, US, l=1.5m
Z1422-01	Tubing Set for insufflation, with filter, disposable, sterile,
Z5020-01	Gas connection CO2 for housing gas supply DISS (US standard)
Z5108-01	Connection tube CO2 for house gas supply, length 3m, DISS/DISS
Z0293	FM134, Tubing set for insufflation, ISO connector, disposable, Sterile 20pcs
Z0260	FM134, Tubing set for insufflation with Heating, ISO connector, disposable, Sterile 10pcs

Video Monitor

Product Code	Description
LMD-2765MD	SONY 27-inch Full HD 2D LCD Monitor
90K0061	NDS 21-inch Full HD 2D LCD Monitor

Video Recorder / Archive Management

Product Code	Description
UR-4MD	TEAC, UR-4MD
HVO-550MD/SUR	Sony, FULL HD Video Recorder
HVO-3300MT	Sony, 3D / FULL HD Dual Video Recorder
ELO1519LM	Sony, Touch Screen Monitor for HVO-3330MT
HVOKEYBOARD	Sony, Keyboard

High Definition Printer

Product Code	Description
UP-DR80MD	Letter Digital Color Printer
UPC-R81 MD	Self-laminating color printing pack (US letter size)

SYSTEM ANCILLARY

Equipment Cart

Product Code	Description
SB-2000	System Trolley Cart
SB-1000	Video Monitor Roll Stand
TH.2260.991	Touch Panel Monitor Arm, Double Arm L250-L-250
GW.0869.991	Dual Endoscope Holder
GW.0870.991	Dual Endoscope Holder for Shelf or standard runner

Reprocessing / Sterilization Trays

Product Code	Description
95-4860	FULL HD Camera Head Reprocessing Tray, 95-3901
OM-1003-FF	FULL HD Camera Head Sterilization Tray, 95-3901
JF224R	EL-580FN, Full-size Perf Basket 4"
JF227R	EL-580FN, Full-size, Pref Basket Lid,
OM-1002-FF	EL-580FN, HD Video Laparoscope sterilization Tray
OM-1000-FF	2.9, 4.0, 5mm /302mm Laparoscope & Light Cable Tray, 2 Scopes
OM-1001-FF	10mm / 302mm Laparoscope & Light Cable Tray, 2 Scopes
OM-1004-FF	2.0, 2.7mm / 110mm Laparoscope & Light Cable Tray
OM-1005-FF	2.7, 4.0mm / 175,187mm Laparoscope & Light Cable Tray
OM-1006-FF	2.9, 4.0mm / 302mm Laparoscope & Light Cable Tray

Video Cables

Product Code	Description
26911	C2G DVI-Cable, 6.6 ft Processor to Monitor
29527	C2G DVI-Cable, 16.4 ft Processor to Monitor
40300	C2G DVI-Cable, 32.8 ft Processor to Monitor
40026	Coax/Composite/HD-SDI Cable for any processor to printer/monitor – BNC to BNC cable, 6 ft. Use with CC6-ORO for HD-SDI
40027	Coax/Composite/HD-SDI Cable for any processor to printer/monitor – BNC to BNC cable, 12 ft. Use with CC6-ORO for HD-SDI
40029	Coax/Composite/HD-SDI Cable for any processor to printer/monitor – BNC to BNC cable, 25 ft. Use with CC6-ORO for HD-SDI

Reducer Sleeve

Product Code	Description
EK390R	Aesculap, Reducing Sleeve 5mm to 3.5mm
EK380P	Aesculap, Sealing unit replacement

FUJIFILM F104 CO2 Insufflator 40L



DESCRIPTION	PRODUCT CODE
FUJIFILM F104 CO2 Insufflator 40L	2205989

TECHNICAL DATA

Insufflation medium	Medical CO2
Connectors	Bottle: DIN, ISO, PIN INDEX House gas: DISS, DIN, Norme French, Uni Italy, AGA
Flow range	1 – 40 l / min
Pressure range	1 – 30 mm Hg
Minimum gas supply pressure	15 bar / 218 PSI (bottle) 3.4 bar / 50 PSI (house gas)
Maximum gas supply pressure	80 bar / 1160 PSI
Dimensions / Weight	267 x 138 x 410 mm (W x H x D) / 7 kg
Classification	Type BF
Power connection	100 - 240 V AC, 50 / 60 Hz, 0.8 - 0.3 A

F104 INSUFFLATOR ACCESSORY

High Pressure Tube CO2, Bottle connection PON index, US connection, l=1.5m	Z0499-01
Tubing Set for insufflation with filter, disposable, sterile, Length: 3m	Z1422-01
Tubing Set for Gas Heating, with filter, reusable, Sterile, Length: 3m	Z1415-01
Gas connection CO2 for housing gas supply DISS (US standard)	Z5020-01
Connection tube CO2 for house gas supply, length 3m, DISS/DISS	Z5108-01

SONY® LCD Monitors

LMD-2765MD



DESCRIPTION	PRODUCT CODE
Full HD 27-type LCD Monitor	LMD-2765MD

PICTURE PERFORMANCE

Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	686 mm (27 inches)
Effective Picture Size (H x V)	597.9 x 336.3 mm (23 5/8 x 13 1/4 inches)
Pixel pitch	0.3114 x 0.3114 mm
Resolution (H x V)	1920 x 1080 pixels (Full HD)
Aspect	16:9
Pixel Efficiency	0.9999
Backlight	LED
Panel Technology	LCD with IPS
Luminance (Panel Specification)	1000 cd/m2 (typical)
Contrast Ratio	1000 : 1
Colors	Approx.16.7 million colors
Viewing Angle (Panel Specification)	89°/89°/89°/89° (typical)
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM

PICTURE PERFORMANCE

Composite Input	BNC (x1)
Y/C Input	Mini-DIN 4-pin (x1) Y: 1.0 Vp-p (75 Ω) C: 0.286 Vp-p (75 Ω, NTSC burst) 0.3 Vp-p (75 Ω, PAL burst)
RGB, Component Input	RGB: Via HD-15 connector (D-sub 15-pin)* 0.7 Vp-p (75 Ω) (when Sync On Green, 0.3 Vp-p sync) * Needs SMF-405 sold separately Component: Via HD-15 connector (D-sub 15-pin)* Y: 1.0 Vp-p (75 Ω) (including 0.3 Vp-p sync) Pb: 0.7 Vp-p (75 Ω), Pr: 0.7 Vp-p (75 Ω) * Needs SMF-405 sold separately
DVI-D Input	DVI-D (x2) TMDS single link
SDI Input	BNC (x2) 3G/HD/SD-SDI
HD15 Input	D-sub 15-pin (x1) RGB: 0.7 Vp-p (75 Ω) H/V Sync: Total level (polarity free) Plug & Play function: corresponds to DDC2B

SONY® LCD Monitors

LMD-2765MD

PICTURE PERFORMANCE

External Sync Input	Via HD-15 connector (D-sub 15-pin)* * Needs SMF-405 sold separately 0.3 Vp-p to 4.0 Vp-p (75 Ω)
Serial Remote (LAN)	D-sub 9-pin (RS-232C) (x1), RJ-45 (x1) (Ethernet, 10BASE-T/1
DC Input	XLR-type 3-pin (male) (x1), 24 V DC (output impedance 0.05 ohms or less)

OUTPUT

DVI-D Output	DVI-D (x1)
SDI Output	1920 x 1080 pixels (Full HD)
DC 5 V Output	(x1), up to 1.2 A

GENERAL

Power Requirements	LCD monitor DC Input: 24 V, 6.25 A AC AC IN: 100 V - 240 V, 50/60 Hz, 2.5 A
Power Consumption	Approx. 102 W (max.)
Operating Temperature	0°C to 35°C (32°F to 95°F) (Recommended: 20°C to 30°C (68°F to 86°F))
Operating Humidity	30% to 85% (no condensation)
Storage/Transport Temperature	-20°C to +60°C (-4°F to +140°F)
Storage/Transport Humidity	0% to 90%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa
Dimensions (WxHxD)	650 x 419 x 58 (25 5/8 x 16 1/2 x 2 3/8 inches) (Slimmest D 29 mm) 650 x 474 x 302 mm (25 5/8 x 18 3/4 x 12 inches) (with SU-560 optional stand)
Mass	8.5 kg (18.75 lb)
Mounting	100 x 100 mm VESA
Supplied Accessories	AC (1) Before Using This Unit (1) CD-ROM (1) Sales Companies Guide (1) Warranty book (1)

SONY® HVO 500MD

HD Video Recorder



DESCRIPTION	PRODUCT CODE
HD Video Recorder	HVO-500MD

PICTURE PERFORMANCE

Recording Video Format	MPEG-4 AVC/H.264
Recording Audio Format	AC-3/AAC LC
Recording File Format	AVCHD/MP4
Recording Media	Internal HDD (500GB), External USB Storage
Recording Resolution	1280 × 720/59.94p, 1280 × 720/50p, 720 × 480/59.94i, 720 × 480/50i
Recording Bit Rate (HD)	576/50i
Recording Bit Rate (SD)	14Mbps (Best), 8Mbps (High), 4Mbps (Standard)
3D Recording	5Mbps (Best), 3Mbps (High), 2Mbps (Standard)

CONNECTORS

Input Connectors	HDMI (Type A) (1) DVI-D (DVI 19-pin) (1) S VIDEO (Mini DIN 4-pin type) (1) VIDEO (BNC type) (1) AUDIO (Stereo mini jack) (1) DC IN (DIN 3-pin)
Output Connectors	HDMI (Type A) (1) DVI-D (DVI 19-pin) (1) S VIDEO (Mini DIN 4-pin type) (1) VIDEO (BNC type) (1) AUDIO (Stereo mini jack) (1)
Other Interfaces	USB (Type A) (3) USB (Type B) (1) Network (RJ-45, 1000 Base-T/100 Base-TX)(1) REMOTE RS-232C (D-sub 9-pin) (1) REMOTE contact switch (stereo mini jack) (2) REMOTE MONITOR (RJ-45) (1) Equipotential

TECHNICAL DATA

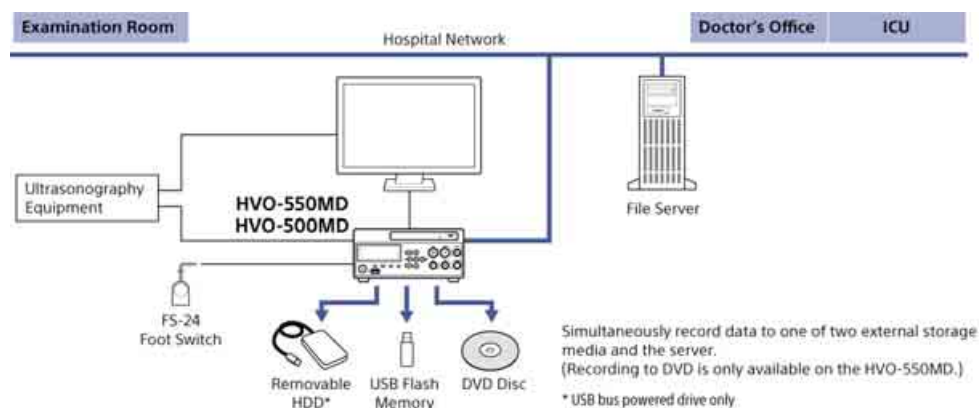
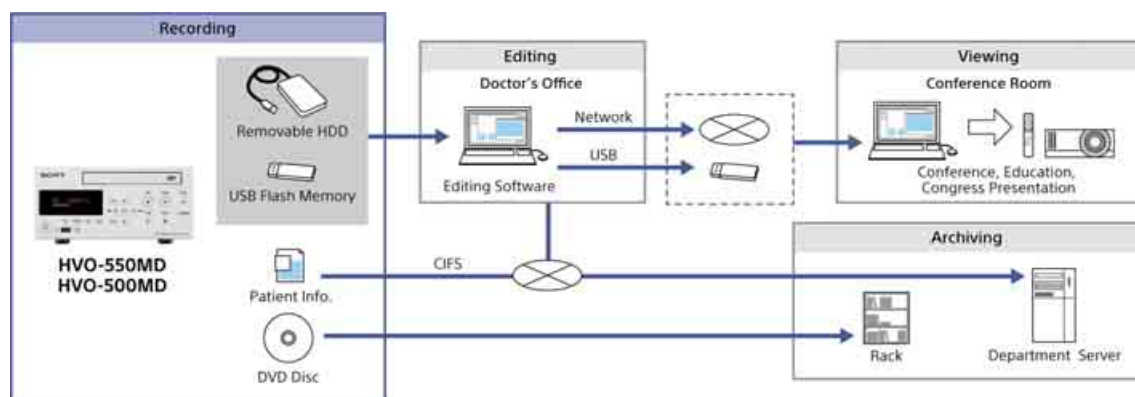
Power Requirements	+12 V to +24 V DC (supply from AC-80MD AC)
Input Current	3.2 A to 1.6 A
Operating Temperature	5°C to 40°C (41°F to 104°F)
Operating Humidity	20% to 80% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Operating Pressure	700 hPa to 1060 hPa
Storage and Transport Temperature	-20°C to +60°C (-4°F to +140°F)

SONY® HVO 500MD

HD Video Recorder

TECHNICAL DATA con't.

Storage and Transport Humidity	20% to 90% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Storage and Transport Pressure	700 hPa to 1060 hPa
Mass	Mass 2.9 kg (6 lb. 6.3 oz.)
Dimensions (including longest protrusions)	212.0 × 287.7 × 105.5 mm (8 3/8 × 11 3/8 × 4 1/4 in.)
Supplied Items	Before Using This Unit (1), CD-ROM (Instructions for Use, PROTOCOL MANUAL) (1), Warranty booklet (1), AC-80MD AC adapter (1), AC-80MD Instructions for Use (1), Service Contact List (1)



SONY® HVO-3300MT

2HD/3HD Video Recorder



DESCRIPTION

2D / 3D HD Video Recorder

PRODUCT CODE

HVO-3300MT

TECHNICAL DATA

Recording Video Format	MPEG-4 AVC/H.264
Recording Audio Format	AAC LC
Recording File Format	MP4
Recording Media	Internal HDD (2TB), External USB Storage, Network (CIFS) DVD-R, BD-R SL/BD-R DL, BD-RE SL/BD-RE DL
Recording Bit Rate (HD)	1080p – 24 Mbps (Best), 18 Mbps (High), 12 Mbps (Standard) 1080i/720p – 720p 20 Mbps (Best), 12.5 Mbps (High), 6 Mbps (Standard)
Recording Bit Rate (SD)	480i – 576i 6 Mbps (Best), 4 Mbps (High), 2 Mbps (Standard)
3D Recording	Side by Side, Top and Bottom (Input 3D Signals: Side by Side, Line by Line, Dual Stream)

CONNECTORS

Input Connectors	3G/HD/SD-SDI (BNC type) (2) DVI-D (Single link) (2) S-VIDEO (Mini DIN 4-pin type) (1) VIDEO (BNC type) (1) RGB IN (Mini D-sub 15pin) (1) AUDIO (Stereo mini jack) (1) MIC (Stereo mini jack) (1) AC Inlet (3-pin) (1)edance 0.05 ohms or less
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Output Connectors	3G/HD/SD-SDI (BNC type) (1) DVI-D (Single link) (1) S-VIDEO (Mini DIN 4-pin type) (1) VIDEO (BNC type) (1) AUDIO (Stereo mini jack) (1)
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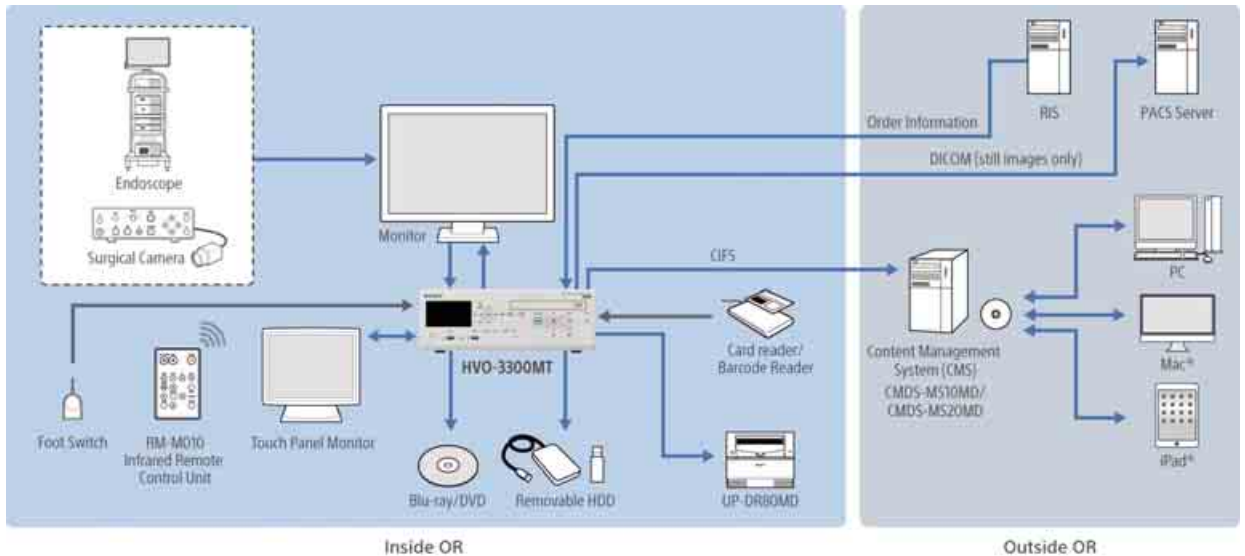
Other Interfaces	USB 3.0 (Type A) (2) USB 2.0 (Type A) (4) USB 2.0 (Type B) (1) Network (RJ-45, 1000 Base-T/100 Base-TX) (1) REMOTE RS-232C (D-Sub 9-pin) (1) REMOTE contact switch (stereo mini jack) (4) MENU MONITOR (Mini D-Sub 15-pin) (1) Equipotential
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SONY® HVO-3300MT

2HD/3HD Video Recorder

TECHNICAL DATA con't.

Power Requirements	+12 V to +24 V DC (supply from AC-80MD AC)
Input Current	3.2 A to 1.6 A
Operating Temperature	5°C to 40°C (41°F to 104°F)
Operating Humidity	20% to 80% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Operating Pressure	700 hPa to 1060 hPa
Storage and Transport Temperature	-20°C to +60°C (-4°F to +140°F)
Storage and Transport Humidity	20% to 90% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Storage and Transport Pressure	700 hPa to 1060 hPa
Mass	Mass 2.9 kg (6 lb. 6.3 oz.)
Dimensions	212.0 × 287.7 × 105.5 mm (8 3/8 × 11 3/8 × 4 1/4 in.) (including longest protrusions)
Supplied Items	Before Using This Unit (1), CD-ROM (Instructions for Use, PROTOCOL MANUAL) (1), Warranty booklet (1), AC-80MD AC adapter (1), AC-80MD Instructions for Use (1), Service Contact List (1)



eLo 1519LM

15.6 inch LCD Touchscreen Monitor



DESCRIPTION	PRODUCT CODE
15.6-inch LCD Touchscreen Monitor	1519LM

TECHNICAL DATA

Active Display Area	White
Monitor Dimensions	13.4" x 7.6" (344mm x 194mm)
Diagonal Size	17.9" x 12.6" x 9.3" (454mm x 321mm x 236mm)
Native Resolution	15.6"
Other Supported Resolutions	1366 x 768; 720 x 350 @ 70Hz; 720 x 400 @ 70Hz; 640 x 480 @ 60, 72, 75Hz; 800 x 600 @ 56, 60, 72, 75Hz; 832 x 624 @ 75Hz; 1024 x 768 @ 60, 70, 75Hz; 1280 x 800 @ 60Hz; 1280 x 960 @ 60Hz; 1280 x 1024 @ 60, 75Hz; 1360 x 768 @ 60Hz; 1366 x 768 @ 60Hz; 1440 x 900 @ 60Hz; 1600 x 1200 @ 60Hz; 1680 x 1050 @ 60Hz
Aspect Ratio	16:9
Number of Colors	16.7 million
Number of Touches	Single-touch and multi-touch
Brightness (typical)	LCD panel: 250 nits; IntelliTouch: 225 nits; AccuTouch: 200 nits; PCAP: 225 nits
Response Time (Tr + Tf) (typical)	8ms
Viewing Angle (typical)	Horizontal: $\pm 45^\circ$ or 90° total; Vertical: $-20^\circ/+45^\circ$ or 65° total
Contrast Ratio (typical)	500:1
On-Screen Display (OSD)	Controls: Menu, Up, Down, Select; Settings: Brightness, Contrast, Phase, Clock, H-Position, VPosition, Auto-Adjust, Maintain Aspect Ratio, Sharpness, Video Source, Color Temperature, OSD Timeout, OSD Language, OSD Rotation, Volume, Mute, Recall Defaults; Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese; Lockouts: OSD, Power
Video	Analog VGA on Female DE-15 connector; Digital DVI on Female DVI-D connector; Input Video Horizontal Sync frequency range: 30-83KHz; Input Video Vertical Sync (frame rate) frequency range: 50-75Hz
Audio	Audio Input connector: 3.5mm TRS jack; Input signal range: 0.5Vrms maximum stereo signal; Internal Speakers output: Two 2W speakers
Power Supply	Input power connector: Coaxial power jack (2mm pin outer diameter, 6.4mm barrel inner diameter); Input power signal specifications: 12VDC $\pm 5\%$. (Note: This monitor is sold with a medical-grade AC/DC power adapter.) Adapter input connector: IEC 60320 C14; Adapter input voltage range: 100-240VAC, 50/60Hz; Power consumption (typical): 18.4W (monitor and AC/DC adapter)
Temperature	Operating: 32°F to 104°F (0°C to 40°C); Storage: -4°F to 122°F (-20°C to 50°C)
Humidity (non-condensing)	Operating: 20%-80%; Storage: 10%-90%
Weight	Unpackaged: 11.3lb (5.2kg); Packaged: 16.5lb (7.5kg)
Mounting Options	VESA 4-hole 75mm mounting interface on rear of unit; 4-hole mounting interface on stand baseplate

ēlo 1519LM (con't)

15.6 inch LCD Touchscreen Monitor

TECHNICAL DATA con't.

Agency Approvals

North America: USA UL 60601-1 1st edition (medical), Canada CSA C22.2 No. 60601-1 (medical), USA FCC CFR 47 Part 18 Subpart B (medical), USA UL 60950, Canada CSA C22.2 No. 60950-1-03, Mexico NOM, USA FCC, Canada ICES; EMEA: Europe IEC/EN 60601-1:1988+A1+A2 2nd Edition (medical), Europe IEC/EN 60601-1-2:2005, Europe IEC/EN 55011 (medical), Europe IEC/EN 60950-1 including all CB scheme member country deviations, Australia/New Zealand C-tick, Europe CE mark; Asia: Japan VCCI; South America: Argentina S-mark

Warranty

3 years

MTBF

MTBF 50,000 hours demonstrated

SONY® UP-DR80MD

Digital Color Printer



DESCRIPTION	PRODUCT CODE
A4 Digital Color Printer	UP-DR80MD

SYSTEM

Printing System	Dye Sublimation Thermal Printing
Resolution	301dpi
Gradations	8 bits (256 levels) processing each for yellow, magenta and cyan
Picture Elements	A4 size UPC-R80MD: 3400 x 2392 dots
Throughput	A4 size: Approx. 76 sec
Tray Capacity	50 sheets
Interface	Hi-Speed USB (USB 2.0)

MEASUREMENTS

Print Size	A4 size: 287 x 202 mm (11 1/4 x 8 inches)
Dimensions	Approx. 317(W) x 207(H) x 425(D) mm (12 1/2 (W) x 8 1/8 (H) x 16 3/4 (D) inches)
Mass	Approx. 11.5 kg (25.3 lbs)

POWER

Requirements	AC 100 to 240 V, 50/60 Hz
Input Current	3.4 to 1.4 A

OPERATING CONDITIONS

Temperature	5°C to 35°C
Humidity	20% to 80% (no condensation allowed)
Pressure	-

STORAGE/TRANSPORTING CONDITIONS

Temperature	-20°C to +60°C (-20°F to +140°F)
Humidity	20% to 80% (no condensation allowed)
Pressure	-

SUPPLIED ACCESSORIES

Power cable (1), USB cable (1), CD-ROM (1), Paper holder (2), Cleaning ribbon (1), Before using this printer (1), Software License Agreement (1)

SCOPES BY SPECIALTY



LAPAROSCOPY



LAPAROSCOPY



Video Laparoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
EL-580FN	Ultra-slim/Low Profile Video Laparoscope	3.8mm	243mm	0°	120°



Laparoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
11.0480a	FX II MINI-Scope, 2mm x 258mm, 0°	2mm	258mm	0°	Wide angle
11.0475a	FX II MINI-Scope, 2mm x 258mm, 30°	2mm	258mm	30°	Wide angle
11.0055A	FX II HD-Scope, 5mm x 312mm, 0°	5mm	312mm	0°	Wide angle
11.0057A	FX II HD-Scope, 5mm x 312mm, 30°	5mm	312mm	30°	Wide angle
11.0031A	FX II HD-Scope, 10mm x 344mm, 0°	10mm	344mm	0°	Wide angle
11.0043A	FX II HD-Scope, 10mm x 344mm, 30°	10mm	344mm	30°	Wide angle
11.0041A	FX II HD-Scope, 10mm x 344mm, 45°	10mm	344mm	45°	Wide angle

FUJIFILM Ultra-Slim Video Laparoscope



DESCRIPTION	PRODUCT NUMBER
Ultra-Slim Video Laparoscope	EL-580FN

TECHNICAL DATA

Oblique View	0 degree
Field of View	120°
Focus Range	3-120mm (Autofocus)
White balance	AUTO
Illumination control	AUTO
Image Pixel Size	HD, Chip on the Tip
Light Source	Xenon
Distal Tip O.D	3.7mm
Insertion O.D (Max.)	3.8mm
Working Length	243mm
Sterilization Method	Autoclave
Compatible Video Processor	VP-4440FN
Compatible Light Source	XL-4450FN
Compatible Relay Connector	RC-4440FN

GYNECOLOGY



GYNECOLOGY



Hysteroscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
41.0160a	FX II HD-Scope, 2.9mm x 302mm, 0°	2.9mm	302mm	0°	Wide angle
41.0161a	FX II HD-Scope, 2.9mm x 302mm, 30°	2.9mm	302mm	30°	Wide angle
41.0047a	FX II HD-Scope, 4mm x 302mm, 0°	4.0mm	302mm	0°	Standard
41.0049a	FX II HD-Scope, 4mm x 302mm, 0°	4.0mm	302mm	0°	Wide angle
41.0059a	FX II HD-Scope, 4mm x 302mm, 12°	4.0mm	302mm	12°	Standard
41.0057a	FX II HD-Scope, 4mm x 302mm, 30°	4.0mm	302mm	30°	Standard
41.0055a	FX II HD-Scope, 4mm x 302mm, 30°	4.0mm	302mm	30°	Wide angle
41.0121a	FX II HD-Scope, 4mm x 302mm, 70°	4.0mm	302mm	30°	Wide angle



Laparoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
11.0480a	FX II MINI-Scope, 2mm x 258mm, 0°	2mm	258mm	0°	Wide angle
11.0475a	FX II MINI-Scope, 2mm x 258mm, 30°	2mm	258mm	30°	Wide angle
11.0055A	FX II HD-Scope, 5mm x 312mm, 0°	5mm	312mm	0°	Wide angle
11.0057A	FX II HD-Scope, 5mm x 312mm, 30°	5mm	312mm	30°	Wide angle
11.0031A	FX II HD-Scope, 10mm x 344mm, 0°	10mm	344mm	0°	Wide angle
11.0043A	FX II HD-Scope, 10mm x 344mm, 30°	10mm	344mm	30°	Wide angle
11.0041A	FX II HD-Scope, 10mm x 344mm, 45°	10mm	344mm	45°	Wide angle

UROLOGY



UROLOGY



Cystoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
41.0160a	FX II HD-Scope, 2.9mm x 302mm, 0°	2.9mm	302mm	0°	Wide angle
41.0161a	FX II HD-Scope, 2.9mm x 302mm, 30°	2.9mm	302mm	30°	Wide angle
41.0047a	FX II HD-Scope, 4mm x 302mm, 0°	4.0mm	302mm	0°	Standard
41.0049a	FX II HD-Scope, 4mm x 302mm, 0°	4.0mm	302mm	0°	Wide angle
41.0059a	FX II HD-Scope, 4mm x 302mm, 12°	4.0mm	302mm	12°	Standard
41.0057a	FX II HD-Scope, 4mm x 302mm, 30°	4.0mm	302mm	30°	Standard
41.0055a	FX II HD-Scope, 4mm x 302mm, 30°	4.0mm	302mm	30°	Wide angle
41.0121a	FX II HD-Scope, 4mm x 302mm, 70°	4.0mm	302mm	30°	Wide angle



Laparoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
11.0480a	FX II MINI-Scope, 2mm x 258mm, 0°	2mm	258mm	0°	Wide angle
11.0475a	FX II MINI-Scope, 2mm x 258mm, 30°	2mm	258mm	30°	Wide angle
11.0055A	FX II HD-Scope, 5mm x 312mm, 0°	5mm	312mm	0°	Wide angle
11.0057A	FX II HD-Scope, 5mm x 312mm, 30°	5mm	312mm	30°	Wide angle
11.0031A	FX II HD-Scope, 10mm x 344mm, 0°	10mm	344mm	0°	Wide angle
11.0043A	FX II HD-Scope, 10mm x 344mm, 30°	10mm	344mm	30°	Wide angle
11.0041A	FX II HD-Scope, 10mm x 344mm, 45°	10mm	344mm	45°	Wide angle



Nephroscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
41.0630a	Nephroscope, Endoscope OD 19Fr	19Fr.	10Fr.	220mm	8°
41.0634a	Mini Nephroscope, Endoscope OD 13.5Fr	13.5Fr.	6Fr.	220mm	8°
41.0635a	Mini Nephroscope, Endoscope OD 13.5Fr	13.5Fr.	6Fr.	320mm	8°



Instrument Bridge

Product Code	Description
41.0641a (shown)	Instrument Bridge, for use with nephroscope 41.0634a, 41.0635a, 41.0630a

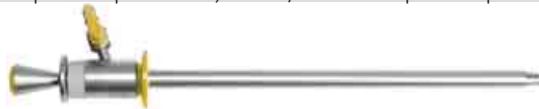
UROLOGY

Nephroscope Sheath

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
41.0682a (fig. 1)	Nephroscope Sheath, 24FR. / 19Fr. Nephroscope		24Fr.	19Fr.	Red



41.0683a (fig. 2)	Nephroscope Sheath, 18FR. / 13.5Fr. Nephroscope		24Fr.	19Fr.	Red
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Nephroscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
41.0611a.wol	Uretero-Renoscope Distal 7.5Fr /First step 9.8Fr	Distal 7.5Fr. First step 9.8Fr.	1 x 5 Fr. Or 2 x 3Fr.	310mm	
41.0609a.wol	Uretero-Renoscope Distal 7.5Fr /First step 9.8Fr	Distal 7.5Fr. First step 9.8Fr.	1 x 5 Fr. First step 9.8Fr.	425mm	
41.0615a.wol	Mini Uretero-Renoscope Distal 6Fr /First step 7.5Fr	Distal 6 Fr. First step 7.5 Fr.	1 x 4 Fr. Or 2 x 2.4 Fr.	310mm	
41.0614a.wol	Mini Uretero-Renpscope Distal 6Fr /First step 7.5Fr	Distal 6 Fr. First step 7.5 Fr.	1 x 4 Fr. Or 2 x 2.4 Fr.	425mm	



Instrument Bridge

Product Code	Description
41.0617a.lc2	Instrument Bridge

UROLOGY

Adapter for EMS Lithotripter

Product Code	Description
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41.0610a.lc2	Adapter for EMS Lithotripter, LC2
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41.0610a	Adapter for EMS Lithotripter, LC1
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Sealing Cap

Product Code	Description
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41.0600d	Sealing Cap, Box-10
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3 Slot Membrane

Product Code	Description
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41.0593d	Three slot membrane, Box-10
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ENT



EAR-NOSE-THROAT



Sinuscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
31.0813a	FX II MINI-Scope, 2mm x 110mm, 0°	2mm	110mm	0°	
31.0814a	FX II MINI-Scope, 2mm x 110mm, 30°	2mm	110mm	30°	
31.0005a	FX II HD-Scope, 2.7mm x 110mm, 0°	2.7mm	110mm	0°	
31.0007a	FX II HD-Scope, 2.7mm x 110mm, 30°	2.7mm	110mm	30°	
31.0009a	FX II HD-Scope, 2.7mm x 110mm, 70°	2.7mm	110mm	70°	
31.0810a	FX II HD-Scope, 2.7mm x 187mm, 0°	2.7mm	187mm	0°	
31.0811a	FX II HD-Scope, 2.7mm x 187mm, 30°	2.7mm	187mm	30°	
31.0812a	FX II HD-Scope, 2.7mm x 187mm, 70°	2.7mm	187mm	70°	
31.0801a	FX II HD-Scope, 4.0mm x 175mm, 0°	4.0mm	175mm	0°	
31.0804a	FX II HD-Scope, 4.0mm x 175mm, 30°	4.0mm	175mm	30°	
31.0802a	FX II HD-Scope, 4.0mm x 175mm, 30°	4.0mm	175mm	30°	
31.0809a	FX II HD-Scope, 4.0mm x 175mm, 45°	4.0mm	175mm	45°	
31.0803a	FX II HD-Scope, 4.0mm x 175mm, 70°	4.0mm	175mm	70°	



Otoscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
31.0022s	FX II HD-Scope, 2.7mm x 34mm, 0°	2.7mm	34mm	0°	
31.0023s	FX II HD-Scope, 2.7mm x 34mm, 0°	2.7mm	34mm	0°	
31.0019a	FX II HD-Scope, 4.0mm x 50mm, 0°	4mm	50mm	0°	
31.0018a	FX II HD-Scope, 4.0mm x 50mm, 30°	4mm	50mm	30°	
31.0060s	Ear Speculum for 31.0023s				



Laryngo-pharyngoscope

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
31.0610a	FX II Scope, 8.0mm x 166mm, 70°	8mm	166mm	70°	
31.0612a	FX II Scope, 10mm x 173mm, 70°	10mm	173mm	70°	
31.0614a	FX II Scope, 11mm x 174mm, 90°	11mm	174mm	90°	

EAR-NOSE-THROAT



Flexible Laryngo-pharyngoscope Set

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
31.1001s	3.2mm / 7,000pixels / leakage tester / light guide cable	3.2mm	300mm	0°	70°
31.0001s	3.8mm / 12,000pixels / leakage tester / light guide cable	3.8mm	300mm	0°	80°
31.1003s	3.2mm / 16,000pixels / leakage tester / light guide cable	3.2mm	300mm	0°	85°



Flexible Video Laryngo-pharyngoscope

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
31.0010s.cam	3.8mm / 82,000pixels / Processor,LED / leakage tester / light guide cable	3.8mm	300mm	0°	85°

ORTHOPEDICS



ORTHOPEDICS



Arthroscope HD

Product Code	Description	Working OD	Working Length	Direction of View	Field of View
21.0622a	FX II Scope, 2.0mm x 110mm, 0°	2.0mm	110mm	0°	Wide angle
21.0623a	FX II Scope, 2.0mm x 110mm, 30°	2.0mm	110mm	30°	Wide angle
21.0617a	FX II HD-Scope, 2.7mm x 187mm, 0°	2.7mm	187mm	0°	Standard
21.0619a	FX II HD-Scope, 2.7mm x 187mm, 30°	2.7mm	187mm	30°	Standard
21.0621a	FX II HD-Scope, 2.7mm x 187mm, 70°	2.7mm	187mm	70°	Standard
21.0003a	FX II HD-Scope, 4mm x 175mm, 0°	4.0mm	175mm	0°	Wide angle
21.0008a	FX II HD-Scope, 4mm x 175mm, 30°	4.0mm	175mm	30°	Wide angle
21.0101a	FX II HD-Scope, 4mm x 175mm, 45°	4.0mm	175mm	45°	Wide angle
21.0011a	FX II HD-Scope, 4mm x 175mm, 70°	4.0mm	175mm	70°	Wide angle



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