

2015/2016

Guidebook Endoscopes



FUJIFILM
Value from Innovation

600 series endoscopes

Model name	Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
	(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		

Gastrosopes

	EG-600WR	2–100	140°	9.2	9.3	2.8	210°/90°	100°/100°	1,100		130 %	*2 Water jet
	EG-600ZW	WD: 3-100 TL: 1.5-2.5	WD: 140° TL: 56°	9.9	9.8	2.8	210°/90°	100°/100°	1,100		130 %	*1 *2 Water jet DH14EN

Colonoscopes

	EC-600WM/WI/WL	2–100	140°	12.0	12.0	3.8	180°/180°	160°/160°	1,330/1,520/ 1,690		130 %	*2 Water jet
	EC-600ZW M/L	WD: 3-100 TL: 1.5-2.5	WD: 140° TL: 56°	12.8	12.8	3.8	180°/180°	160°/160°	1,330/1,690		130 %	*1 *2 Water jet Hood DH-13CZ

500 series endoscopes

Model name	Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
	(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		

Ultra-slim gastrosopes

	EG-580NW2	3–100	140°	5.8	5.9	2.4	210°/90°	100°/100°	1,100		130 %	*2
	EG-530NW	4–100	140°	5.9	5.9	2.0	210°/90°	100°/100°	1,100		130 %	
	EG-530NP	3–100	120°	4.9	5.1	2.0	210°/120°	—/—	1,100		80 %	

Gastrosopes

	EG-590WR	6–100	140°	9.6	9.3	2.8	210°/90°	100°/100°	1,100		130 %	
	EG-590ZW	WD: 6–100 TL: 2–3	WD: 140° TL: 55°	10.8	9.8	2.8	210°/90°	100°/100°	1,100		130 %	*1 Hood DH-11GZ
	EG-580RD	3–100	140°	9.8	9.8	3.2	210°/120°	100°/100°	1,100		130 %	*2 Water jet
	EG-530WR	4–100	140°	9.4	9.3	2.8	210°/90°	100°/100°	1,100		130 %	
	EG-530FP	3–100	140°	8.5	8.5	2.8	210°/90°	100°/100°	1,100		130 %	
	EG-530CT	3–100	140°	10.8	10.8	3.8	210°/90°	100°/100°	1,100		130 %	Water jet
	EG-530D	3–100	140°	11.5	11.5	2.8/3.8	210°/90°	100°/100°	1,090		130 %	Dual channel Water jet

*1 Optical magnification x 135 (19" monitor)
*2 Compatible with EPX-4450HD and EPX-3500HD



500 Series endoscopes

Model name	Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
	(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		

Duodenoscopes

	ED-530XT	4–60	100° (retro 8°)	13.1	11.5	4.2	130°/90°	90°/110°	1,250		130 %	
	ED-530XT8	4–60	100° (retro 8°)	13.1	11.5	4.2	130°/90°	90°/110°	1,250		130 %	Detachable hood DC-06D

Colonoscopes

	EC-590WM4/WI4/WL4	3–100	140°	12.8	12.8	3.8	180°/180°	160°/160°	1,330/1,520/1,690		110 %	Water jet
	EC-590ZW3 M/L	WD: 6–100 TL: 2–3	WD: 140° TL: 55°	12.8	12.8	3.8	180°/180°	160°/160°	1,330/1,690		130 %	*1 Water jet Hood DH-13CZ
	EC-580RD M/L	3–100	140°	9.8	10.5	3.2	210°/160°	160°/160°	1,330/1,690		130 %	*2 Water jet
	EC-530WM3/WI3/WL3	3–100	140°	12.8	12.8	3.8	180°/180°	160°/160°	1,330/1,520/1,690		110 %	Water jet
	EC-530FI/FL	3–100	140°	12.8	12.8	3.8	180°/180°	160°/160°	1,520/1,690		110 %	Water jet
	EC-530MP	3–100	140°	11.0	11.1	3.2	180°/180°	160°/160°	1,330		110 %	
	EC-530LP	3–100	140°	11.0	11.1	3.2	180°/180°	160°/160°	1,690		130 %	
	EC-530DM/DL	3–100	140°	12.8	12.8	3.8/2.8	180°/180°	160°/160°	1,330/1,690		130 %	Dual channel Water jet
	ES-530WE	3–100	140°	12.8	12.8	3.8	180°/180°	160°/160°	790		130 %	Water jet

Enteroscopes

	EN-580T	2–100	140°	9.4	9.3	3.2	180°/180°	160°/160°	2,000		130 %	*3
	EN-580XP	 2–100	140°	7.5	7.7	2.2	180°/180°	160°/160°	2,000		130 %	*4

*1 Optical magnification x 135 (19" monitor)
*2 Compatible with EPX-4450HD and EPX-3500HD
*3 Balloon controller PB-30, balloon BS-4 and overtube TS-1314B are required
*4 Balloon controller PB-30, balloon BS-4 and overtube TS-1114B are required



500 Series endoscopes

Model name		Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
		(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		
	EB-530H	3–100	140°	5.4	4.9	2.0	180°/130°	–/–	600		130 % *5 HF-compatible
	EB-530S	3–100	120°	4.9	4.9	2.0	180°/130°	–/–	600		90 % *5 HF-compatible
	EB-530T	3–100	120°	5.8	5.9	2.8	180°/130°	–/–	600		90 % *5 HF-compatible
	EB-530P	3–100	120°	3.8	3.8	1.2	180°/130°	–/–	600		90 % *5
	EB-530XT	3–100	120°	6.2	6.3	3.2	180°/130°	–/–	600		90 % *5 HF-compatible

*5 Suction button SB-602 is required

400 Series endoscopes

Model name		Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
		(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		
	EC-450BI5	3–100	140°	9.4	9.3	2.8	180°/180°	160°/160°	1,520		110 % *1

*1 Balloon controller PB-30, balloon BS-2 and overtube TS-13101 are required.



Endoscopy systems

Model	Product Description
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Video processors

EPX-4450HD  	▶ 300 W Xenon lamp ■ ▶ HD-SDI (HDTV) output ▶ DK-4450E keyboard ■ ▶ FICE function installed	Video processor with light source for 400, 500 and 600 series endoscopes ▶ EPX-4450HD: VP-4450HD processor 9.5 kg, 390 mm (W) x 105 mm (H) x 460 mm (D) XL-4450 light source 15 kg, 390 mm (W) x 155 mm (H) x 450 mm (D)
EPX-3500HD  	▶ 300 W Xenon lamp ■ ▶ Full HD (DVI) output ■ ▶ Applicable to USB Flash memory ▶ DK-4450E keyboard ■ ▶ 3 patterns FICE installed	Video processor with light source for 500 and 600 series endoscopes ▶ EPX-3500HD: VP-3500HD processor 8.0 kg, 390 mm (W) x 105 mm (H) x 460 mm (D) XL-4450 light source 15 kg, 390 mm (W) x 155 mm (H) x 450 mm (D)
EPX-2500  		Video processor with light source for EVE 200 and EVE 530 series endoscopes^{*1} ▶ 150 W xenon lamp ▶ DK-2500 keyboard ▶ 17 kg, 375 mm (W) x 190 mm (H) x 495 mm (D)

^{*1} Ultrasonic videoscopes EG-530UR and UT cannot be connected



Monitors

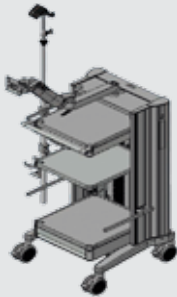
Model	Product Description
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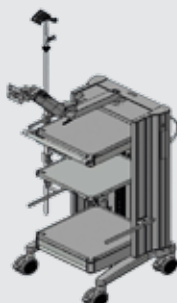
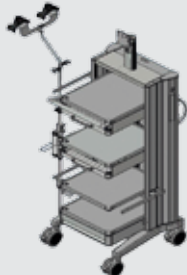
Monitors

FUJIFILM CDL 1909A 	 Photo: CDL 1909A	19" LCD monitor ▶ 7 kg, 432 mm (W) x 353 mm (H) x 84.5 mm (D) ▶ Input signal: DVI-D, VGA, S-Video, Composite ▶ Output signal: S-Video, Composite
NEW Radiance 27" ULTRA 	 Photo: Radiance 24"	27" HD type LCD monitor with Ultra bright LED Backlight ▶ High-Definition, Color Correction Technology (CCT), Full Multi-Modality, Gorilla Glass front panel ▶ 8.9 kg, 678 mm (W) x 445 mm (H) x 84 mm (D) ▶ Input signal: HD-SDI x 2, DVI-D, DVI-I, RGBS, YPbPr, S-Video, Composite, VGA ▶ Output signal: HD-SDI, DVI, RGBS, YPbPr/VGA, S-Video, Composite
Radiance 26" G2 LED 		26" HD type LCD monitor with LED Backlight for FUJIFILM Endoscope system ▶ High-Definition, Color Correction Technology (CCT), Full Multi-Modality ▶ 7.3 kg, 673 mm (W) x 418 mm (H) x 88 mm (D) ▶ Input signal: HD-SDI x 2, DVI-D, DVI-I, RGBS, YPbPr, S-Video, Composite, VGA ▶ Output signal: HD-SDI, DVI, RGBS, YPbPr/VGA, S-Video, Composite
Radiance 26" G2 HB LED 		26" HD type High Brightness LCD monitor with LED Backlight for FUJIFILM Endoscope system ▶ High-Definition, Color Correction Technology (CCT), Full Multi-Modality ▶ 8.2 kg, 673 mm (W) x 418 mm (H) x 88 mm (D) ▶ Input signal: HD-SDI x 2, DVI-D, DVI-I, RGBS, YPbPr, S-Video, Composite, VGA ▶ Output signal: HD-SDI, DVI, RGBS, YPbPr/VGA, S-Video, Composite
Radiance 24" G2 LED 		24" HD type LCD monitor with LED Backlight for FUJIFILM Endoscope system ▶ High-Definition, Color Correction Technology (CCT), Full Multi-Modality ▶ 7.1 kg, 597 mm (W) x 401 mm (H) x 100 mm (D) ▶ Input signal: HD-SDI x 2, DVI-D, DVI-I, RGBS, YPbPr, S-Video, Composite, VGA ▶ Output signal: HD-SDI, DVI, RGBS, YPbPr/VGA, S-Video, Composite
Radiance 19" HD 		19" HD type LCD monitor for FUJIFILM Endoscope system ▶ High-Definition, Full Multi-Modality ▶ 6.8 kg, 465 mm (W) x 400 mm (H) x 98 mm (D) ▶ Input signal: HD-SDI x 2, DVI-D, DVI-I, RGBS, YPbPr, S-Video, composite, VGA ▶ Output signal: HD-SDI, DVI, RGBS, YPbPr/VGA, S-Video, Composite
Including FUJIFILM BIOS for the best performance.		



Carts

Model	Product Description	
Carts		
ITD-03	 Image: Cart ITD-03 plus	Compact cart with trafo ▶ 76 kg, 618 mm (W) x 1,331 mm (H) x 624 mm (D) ▶ 1x endoscope hanger, 3x shelves, 1x monitor stand ▶ 1,200 VA, Isolating transformer
ITD-03 GAS	 Image: Cart ITD-03 GAS	Uni-cart CO2 insufflator ▶ 35 kg, 540 mm (W) x 580 mm (H) x 857 mm (D) ▶ 3x shelf, 1x gas cylinder holder (max. 10 litres)
ITD-01 Sono	 Image: Cart ITD-03 Sono	Uni-cart sonoprobe ▶ 40 kg, 540 mm (W) x 1,510 mm (H) x 580 mm (D) ▶ 3x shelves, 1x monitor stand ▶ 1x jointed arm ▶ 660 VA, Isolating transformer

Model	Product Description	
Carts		
ITD-03 Iso	 Image: Cart ITD-03 Iso plus (with insulation monitoring function)	Compact cart with insulation monitoring function ▶ 76 kg, 618 mm (W) x 1,331 mm (H) x 624 mm (D) ▶ 1x endoscope hanger, 3x shelves, 1x monitor stand ▶ 2,000 VA, Isolating transformer with Insulation monitoring function
ITD-03 EUS	 Image: Cart ITD-03 EUS Iso	Compact cart EUS system ▶ 85 kg, 618 mm (W) x 1,491 mm (H) x 624 mm (D) ▶ 2x endoscope hanger, 4x shelves, 2x monitor stand ▶ 1,600 VA, Isolating transformer with Insulation monitoring function
ITD-03 EUS with upgrade Kit		Compact cart EUS system with upgrade Kit ▶ 88 kg, 818 mm (W) x 1,765 mm (H) x 624 mm (D) ▶ 2x endoscope hanger, 4x shelves, 2x monitor stand ▶ 1x side shelf with jointed arm ▶ 1,600 VA, Isolating transformer with Insulation monitoring function

EUS systems

Model	Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Frequency	Scanning method	Remarks
	(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)	(MHz)		

Ultrasonic videoscopes

	EG-580UR*1	3–100	140°	11.4	11.5	2,8	190°/90°	100°/100°	1,250	5, 7, 5 10, 12	Electronic radial 360°	SU-1
	EG-580UT*2	3–100	140° (oblique 40°)	13.9	12.4	3.8	150°/150°	120°/120°	1,250	5, 7, 5 10, 12	Electronic curved linear array 150°	SU-1
	EB-530US*3	3–100	120° (oblique 10°)	6.7	6.3	2.0	130°/90°	–/–	610	5, 7, 5 10, 12	Electronic Curved linear array 65°	SU-1

*1 B20UR balloon is necessary
*2 B20UT balloon is necessary
*3 B20BU balloon is necessary

Type	Model name	Working length	Ø Outer diameter	Frequency	Suitable working channel	Scanning method	Remarks
		(mm)	(mm)	(MHz)			

Ultrasonic sonoprobes

P-series ø 2.6 mm	P2625M	2,200	2.6	25.0	More than 2.8 mm	Mechanical radial	SP-702
	P2620M	2,200	2.6	20.0	More than 2.8 mm	Mechanical radial	SP-702
	P2615M	2,200	2.6	15.0	More than 2.8 mm	Mechanical radial	SP-702
	P2612M	2,200	2.6	12.0	More than 2.8 mm	Mechanical radial	SP-702
	P2620L	2,700	2.6	20.0	Suited for double balloon endoscopy	Mechanical radial	SP-702
	P2615L	2,700	2.6	15.0	Suited for double balloon endoscopy	Mechanical radial	SP-702
	P2612L	2,700	2.6	12.0	Suited for double balloon endoscopy	Mechanical radial	SP-702

Model	Product Description
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Ultrasonic processors

NEW SU-1  ▶ 13.0 kg, 390 mm (W) x 135 mm (H) x 485 mm (D), AC 100 - 240 V ▶ CP-1 keyboard ▶ Probe type: Radial, Curved linear array ▶ Ultrasound scanning mode: 5-12MHz/Power Doppler / Colour Doppler / PW Doppler / M mode / B mode / TH/CH/CHI/Elastography	SP-702  ▶ 6.5 kg, 188 mm (W) x 102 mm (H) x 443 mm (D), AC 230 V ▶ CP-702 control pad ▶ Scanning method: mechanical radial ▶ Ultrasound scanning mode: B mode ▶ Centre frequencies: 7.5, 12, 15, 20, 25 MHz
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Fiberscopes

Model name	Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
	(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		

Gastrosopes

FG-1Z	3–100	105°	9.5	9.8	2.8	210°/90°	100°/100°	1,030		
FG-1ZP	3–100	105°	7.8	7.9	2.2	210°/90°	100°/100°	1,030		

Colonoscopes

FC-1Z	3–100	120°	13.0	13.0	3.2	180°/180°	160°/160°	1,660		
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Bronchoscopes

FB-120S	1–50	120°	4.8	4.9	2.2	180°/130°	–/–	600		HF-compatible
FB-120T	1–50	120°	5.9	5.9	2.8	180°/130°	–/–	600		HF-compatible
FB-120P	1–50	100°	2.7	2.8	1.2	180°/130°	–/–	600		
FB-120MP	1–50	120°	4.8	4.9	2.2	180°/130°	–/–	600		Mobile type + HF-compatible

Model	Product Description
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Light sources

PS2-HP		Light source for all fiberscopes ▶ Air pump ▶ 150 W halogen lamp ▶ 8.6 kg ▶ 195 mm (W) x 215 mm (H) x 350 mm (D)
PS2-HN		Light source exclusively for fiberscopes ▶ No air pump ▶ 150 W halogen lamp ▶ 7.9 kg ▶ 195 mm (W) x 215 mm (H) x 350 mm (D)

Special endoscopes

Model name		Observation range	Angle of view	Ø Distal end	Ø Insertion tube	Ø Working channel	Bending capacity	Bending capacity	Working length	Size of image	Remarks
		(mm)		(mm)	(mm)	(mm)	(up/down)	(left/right)	(mm)		
ENT/Naso-Pharyngo-Laryngoscopes											
Fiber	FR-120F	3–50	90°	3.3	3.2	–	130°/130°	–/–	300		
G5	ER-530S2	3–50	90°	2.9	3.2	–	130°/130°	–/–	300	110%	
G5	ER-530T	2–50	140°	5.4	4.9	2.0	130°/130°	–/–	400	130%	

ESD accessories

Model		Identifier	Knife length	Working length	Ø Suitable working channel	Remarks
			(mm)	(mm)		
FlushKnife						
	DK2618J	- B15 -	1.5	1,800	2.8	Ball tip
		- B20 -	2.0	1,800	2.8	Ball tip
		- B25 -	2.5	1,800	2.8	Ball tip
		- B30 -	3.0	1,800	2.8	Ball tip
	DK2623J	- B15 -	1.5	2,300	2.8	Ball tip, Long type
		- B20 -	2.0	2,300	2.8	Ball tip, Long type
	DK2618J	- N10 -	1.0	1,800	2.8	Needle tip
		- N15 -	1.5	1,800	2.8	Needle tip
		- N20 -	2.0	1,800	2.8	Needle tip
		- N25 -	2.5	1,800	2.8	Needle tip
		- N30 -	3.0	1,800	2.8	Needle tip
	DK2623J	- N15 -	1.5	2,300	2.8	Needle tip, Long type
		- N20 -	2.0	2,300	2.8	Needle tip, Long type

Model	Identifier	Knife length	Working length	Ø Suitable working channel	Remarks
		(mm)	(mm)		
ClutchCutter					
	DP2618DT -35-	- 35 -	3.5	1,800	2.8
	DP2618DT -50-	- 50 -	5.0	1,800	2.8



Model	Outer diameter	Inner diameter of tip	Tip length	Accessory guide	Applicable endoscope	Remarks
	(mm)	(mm)	(mm)			

ST hood for ESD and POEM

DH-15GR	12.2	7.0	8.3	Yes	EG-600WR, EG-600ZW, EG-590WR, EG-530WR, EG-580RD	
DH-16CR	16.0	7.0	8.3	Yes	EC-600WM, WI, WL, EC-600ZW M/L, EC-590WM4, WI4, WL4, EC-590ZW3 M/L, EC-530WM3, WI3, WL3	
DH-28GR	11.8	8.0	7.0	Without	EG-600WR, EG-600ZW, EG-590WR, EG-530WR, EG-580RD	Short type
DH-29CR	13.0	8.0	7.0	Without	EG-590ZW, EC-580RD, EC-530MP, EC-530LP	Short type
DH-30CR	14.8	8.0	7.0	Without	EC-600WM, WI, WL, EC-600ZW M/L, EC-590WM4, WI4, WL4, EC-590ZW3 M/L, EC-530WM3, WI3, WL3	Short type

Observation hood

DH-11GZ	13.2		2.5		EG-590ZW	
DH-13CZ	15.7		3.0		EC-600WM, WI, WL, EC-600ZW M/L, EC-590WM4, WI4, WL4, EC-590ZW3 M/L, EC-530WM3, WI3, WL3	
DH-14EN	10.8		1.5		EG-600ZW, EN-450P5	
DH-17EN	11.5		1.5		EN-580T, EC-450BI5	



Peripheral devices

Model		Product Description
PB-30		Balloon controller for DBE endoscopes ▶ 10kg, 350mm (W) x 130 mm (H) x 420 mm (D) AC230V ▶ Pressure of balloon: 5.6 kpa ± 2 kpa ▶ Max. flow rate of pump: 170 ± 50ml/10sec.
JW-2		Water pump for FUJIFILM endoscopes with a water-jet channel ▶ Foot switch operation ▶ Flow rate adjustment function ▶ 2.6 kg ▶ 145 mm (W) x 130 mm (H) x 265 mm (D): Main unit
GW-100		CO2 gas regulator for FUJIFILM endoscopes ▶ Management gas flow: Max. 65 kPa ▶ Applicable to hospital pipeline CO2 ▶ Change the flow level on the front panel (Standard and low flow) ▶ 6 kg ▶ 145 mm (W) x 170 mm (H) x 390 mm (D)





FUJIFILM

FUJIFILM Europe GmbH

Heesenstr. 31, 40549 Düsseldorf, Germany
Tel.: +49 211-50 89 0, Fax: +49 211-50 89 8700
www.fujifilm.eu

Specifications are subject to change without notice. 10/2015