

Guidebook Endoscopes 2013/2014

New horizons in Endoscopy





FUJIFILM



► 600 Series endoscopes

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

 EG-600WR NEW	2–100	140°	9.2	9.3	2.8	210°/90°	100°/100°	1,100	 130%	*2 Water jet
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Colonoscopes

 EC-600WM/WI/WL NEW	2–100	140°	12.0	12.0	3.8	180°/180°	160°/160°	1,330/1,520/1,690	 130%	*2 Water jet
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► 500 Series endoscopes

Model name	Observation range (mm)	Angle of view	∅ Distal end (mm)	∅ Insertion tube (mm)	∅ Operating channel (mm)	Bending capacity (up/down)	Bending capacity (left/right)	Working length (mm)	Size of image	Remarks
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Ultra-slim gastrosopes

 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-530FP	3–100	140°	8.5	8.5	2.8	210°/90°	100°/100°	1,100	 130%	
	EG-530WR	4–100	140°	9.4	9.3	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
	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




Colonoscopes

	EC-530FI/FL	3–100	140°	12.8	12.8	3.8	180°/180°	160°/160°	1,330/1,520/1,690	 110%	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-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
	EC-580RD M/L NEW	3–100	140°	9.8	10.5	3.2	210°/160°	160°/160°	1,330/1,690	 130%	*2 Water jet
	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-13GZ



*1 Optical magnification x 135 (19" monitor).

*2 Compatible with EPX-4450 HD.






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

Enteroscopes

	EN-580T	NEW	2–100	140°	9.4	9.3	3.2	180°/180°	160°/160°	2,000	 130%	*1
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

Bronchoscopes

	EB-530H	3–100	140°	5.4	4.9	2.0	180°/130°	–/–	600	 130%	*2 HF-compatible
	EB-530S	3–100	120°	4.9	4.9	2.0	180°/130°	–/–	600	 90%	*2 HF-compatible
	EB-530T	3–100	120°	5.8	5.9	2.8	180°/130°	–/–	600	 90%	*2 HF-compatible
	EB-530P	3–100	120°	3.8	3.8	1.2	180°/130°	–/–	600	 90%	*2
	EB-530XT	3–100	120°	6.2	6.3	3.2	180°/130°	–/–	600	 90%	*2 HF-compatible



▶ 400 Series endoscopes

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

	ED-450XL8/B	4–60	100° (retro 15°)	12.5	10.8	3.2	130°/90°	90°/110°	1,250	 130%	Detachable hood DC-05D
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Colonoscopes

	EC-450BI5	3–100	140°	9.4	9.3	2.8	180°/180°	160°/160°	1,520	 110%	*3
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*1 Balloon controller PB-20, balloon BS-2 and overtube TS-13140 are required.
Compatible with EPX-4450 HD.



*2 Suction button SB-602 is required.

*3 Balloon controller PB-20, balloon BS-2 and overtube TS-13101 are required.

▶ Endoscopy systems

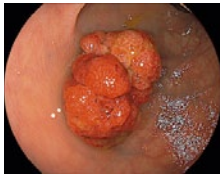
Model name	Description
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Video processors

<p>EPX-4450HD</p> 		<p>Video processor with light source for 400*1 and 500 series endoscopes</p> <ul style="list-style-type: none"> ▶ 300 W xenon lamp ▶ DK-4450E keyboard ▶ 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)
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*1 410 DSP1/485&490 can not be connected.

▶ EPX-4450HD features



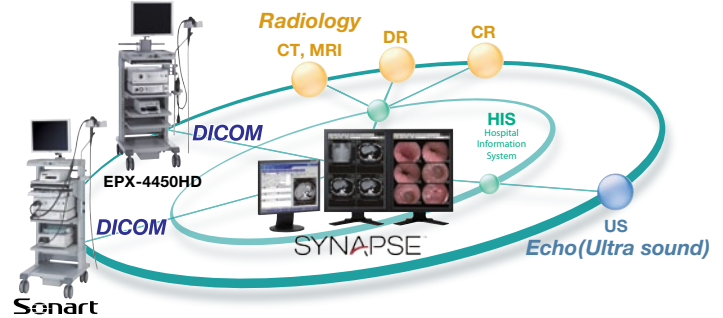
High-quality image by advanced imaging technology
The full digital processor EPX-4450HD can display details of lesion more clearly



FICE Flexible Spectral Imaging Colour Enhancement
FICE Dual Mode: Simultaneously display a FICE image and white light on the same monitor

FICE Dual Mode in the EPX-4450HD

DICOM Interface
Perfect integration of the video processor EPX-4450HD into the hospital network



This system does not guarantee the connections of any network devices. The connection may be limited in some network environments.

<p>EPX-2500</p> 		<p>Video processor with light source for 200 and 530 series endoscopes*2</p> <ul style="list-style-type: none"> ▶ 150 W xenon lamp ▶ DK-2500 keyboard ▶ 17 kg, 375 mm (W) x 190 mm (H) x 495 mm (D)
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*2 Ultrasonic videoscopes EG-530UR/UR2 and UT/UT2 cannot be connected.

► EUS systems

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

Sonart	EG-530UR2*1	3–100	140°	11.4	11.5	2.2	180°/90°	100°/100°	1,250	5, 7.5 10, 12	Electronic radial 360°	SU-8000
	EG-530UT2*2	3–100	140° (oblique 40°)	13.9	12.1	3.8	160°/160°	120°/120°	1,250	5, 7.5 10, 12	Electronic convex 124°	SU-8000
	EB-530US*3	3–100	120° (oblique 10°)	6.7	6.3	2.0	130°/90°	–/–	610	5, 7.5 10, 12	Electronic convex 65°	SU-8000

*1 B20UR balloon is necessary.

*2 B20UT balloon is necessary.

*3 B20BU balloon is necessary.



Type	Model name	Working length (mm)	∅ Outer diameter (mm)	Frequency (MHz)	Suitable operating channel	Scanning method	Remarks
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Ultrasonic sonoprobes









P-series ∅ 2.6 mm	P2625M	2,200	2.6	25.0	Minimum 2.8 mm	Mechanical radial	SP-702
	P2620M	2,200	2.6	20.0	Minimum 2.8 mm	Mechanical radial	SP-702
	P2615M	2,200	2.6	15.0	Minimum 2.8 mm	Mechanical radial	SP-702
	P2612M	2,200	2.6	12.0	Minimum 2.8 mm	Mechanical radial	SP-702
	P2620L	2,700	2.6	20.0	Suited for EN-450T5 & EN-580T	Mechanical radial	SP-702
	P2615L	2,700	2.6	15.0	Suited for EN-450T5 & EN-580T	Mechanical radial	SP-702
	P2612L	2,700	2.6	12.0	Suited for EN-450T5 & EN-580T	Mechanical radial	SP-702

Model name	Description
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Ultrasonic processors

SU-8000	 <ul style="list-style-type: none"> ► 12.5 kg, 375 mm (W) x 215 mm (H) x 445 mm (D), AC 230 V ► CP-8000 keyboard ► Probe type: convex radial ► Ultrasound scanning mode: 5–12 MHz / Power Doppler / Colour Doppler / PW Doppler / M mode / B mode
SP-702	 <ul style="list-style-type: none"> ► 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

► Monitors

Model name	Description
<p>FUJIFILM CDL 1909A</p> 	 <p>Photo: CDL 1909A</p> <p>19" LCD monitor</p> <ul style="list-style-type: none"> ▶ 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
<p>FUJIFILM CDL 1576A</p> 	<p>15" LCD monitor</p> <ul style="list-style-type: none"> ▶ 3.8 kg, 346 mm (W) x 270 mm (H) x 66 mm (D) ▶ Input signal: DVI-D, VGA, S-Video ▶ Output signal: S-Video
<p>Radiance 26" G2 LED NEW</p> 	<p>26" HD type LCD monitor with LED Backlight for Fujifilm Endoscope system</p> <ul style="list-style-type: none"> ▶ 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
<p>Radiance 26" G2 HB LED NEW</p> 	 <p>Photo: Radiance 24"</p> <p>26" HD type High Brightness LCD monitor with LED Backlight for Fujifilm Endoscope system</p> <ul style="list-style-type: none"> ▶ 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
<p>Radiance 24" G2 LED NEW</p> 	<p>24" HD type LCD monitor with LED Backlight for Fujifilm Endoscope system</p> <ul style="list-style-type: none"> ▶ 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
<p>Radiance 19" HD</p> 	<p>19" HD-type LCD monitor for Fujifilm Endoscope system</p> <ul style="list-style-type: none"> ▶ High-Definition, Full Multi-Modality ▶ 6.8 kg, 465 mm (W) x 400 mm (H) x 95 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 <p>Including FUJIFILM BIOS for the best performance.</p>



► Carts

Model name	Description
ITD-02	 <p>Compact cart with transformer</p> <ul style="list-style-type: none"> ▶ 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-02 ISO	<p>Photo: Cart ITD-02 ISO (with insulation monitoring function)</p> <p>Compact cart with insulation monitoring function</p> <ul style="list-style-type: none"> ▶ 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-02 EUS-M1	 <p>Compact cart EUS system</p> <ul style="list-style-type: none"> ▶ 85 kg, 618 mm (W) x 1,491 mm (H) x 624 mm (D) ▶ 2x endoscope hangers, 4x shelves, 1x monitor stand ▶ 2000 VA, isolating transformer with insulation monitoring function
ITD-02 EUS-M1 with upgrade kit	<p>Photo: ITD-02 EUS-M1</p> <p>Compact cart EUS system with upgrade kit</p> <ul style="list-style-type: none"> ▶ 88 kg, 818 mm (W) x 1,765 mm (H) x 624 mm (D) ▶ 2x endoscope hangers, 4x shelves, 1x monitor stand ▶ 1x side shelf with jointed arm ▶ 2000 VA, isolating transformer with insulation monitoring function ▶ Articulated arm
ITD-02 GAS	  <p>Uni-cart CO₂ insufflator</p> <ul style="list-style-type: none"> ▶ 35 kg, 540 mm (W) x 580 mm (H) x 857 mm (D) ▶ 1x shelf, 1x gas cylinder holder (max. 10 litres)
ITD-01 Sono	<p>Photo: Cart ITD-02 GAS</p> <p>Photo: Cart ITD-01 Sono</p> <p>Uni-cart sonoprobe</p> <ul style="list-style-type: none"> ▶ 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


► Fiberscopes

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

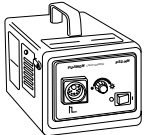

FC-1Z	3–100	120°	13.0	13.0	3.2	180°/180°	160°/160°	1,660		
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Bronchoscopes

FB-120MP	1–50	120°	4.8	4.9	2.2	180°/130°	–/–	600		HF-compatible
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		

Model name	Description
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Light sources

PS2-HN		<p>Light source exclusively for FB, FR and FH model fiberscopes</p> <ul style="list-style-type: none"> ► No air pump ► 150 W halogen lamp ► 7.9 kg ► 195 mm (W) x 215 mm (H) x 350 mm (D)
PS2-HP		<p>Light source for all fiberscopes</p> <ul style="list-style-type: none"> ► Air pump ► 150 W halogen lamp ► 8.6 kg ► 195 mm (W) x 215 mm (H) x 350 mm (D)




► Special endoscopes

Model name	Observation range (mm)	Angle of view	∅ Distal end (mm)	∅ Insertion tube (mm)	∅ Operating channel (mm)	Bending capacity (up/down)	Bending capacity (left/right)	Working length (mm)	Size of image	Remarks
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ENT/Naso-Pharyngo-Laryngoscopes

Fiber	FR-120F	3–50	90°	3.3	3.2	–	130°/130°	–/–	300		
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► Peripheral devices

Model name	Description
PB-20	 <p>Balloon controller for DBE endoscopes</p> <ul style="list-style-type: none"> ► 10 kg, 350 mm (W) x 130 mm (H) x 420 mm (D), AC 230 V ► Pressure of balloon: 5.6 kpa ± 2 kpa ► Max. flow rate of pump: 170 ± 50 ml/10 sec.
JW-2	 <p>Water pump for Fujinon endoscopes with water jet</p> <ul style="list-style-type: none"> ► Foot switch operation ► Flow rate control function ► 2.6 kg ► 145 mm (W) x 130 mm (H) x 265 mm (D): main unit
GW-1	 <p>CO₂ gas regulator for Fujinon endoscopes</p> <ul style="list-style-type: none"> ► Management gas flow: max. 65 kPa ► Exclusive button control ► 10 kg ► 210 mm (W) x 170 mm (H) x 500 mm (D)

▶ ESD accessories

Model name	Identifier	Tip length (mm)	Working length (mm)	Suitable operating channel	Remarks
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FlushKnife

FlushKnife BT	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
FlushKnife	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 name	Outer diameter (mm)	Inner diameter of tip (mm)	Tip length (mm)	Accessory guide	Applicable endoscope	Remarks
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ST hood

ST hood	DH-15GR	12.2	7.0	8.3	Yes	EG-590WR, EG-530WR, EC-580RD M, L	
	DH-16CR	16.0	7.0	8.3	Yes	EC-600WM,WI,WL, EC-590WM4, WI4, WL4, EC-590ZW3 M/L, EC-530WM3, WI3, WL4	
	DH-28GR NEW	11.8	8.0	7.0	–	EG-590WR, EG-530WR, EC-580RD M, L	Short type
	DH-29CR NEW	13.0	8.0	7.0	–	EG-590ZW, M, L, EC-530MP, EC-530LP	Short type
	DH-30CR NEW	14.8	8.0	7.0	–	EC-600WM, WI, WL, EC-590WM4, WI4, WL4, EC-590ZW3 M/L, EC-530WM3, WI3, WL4	Short type



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