

Competitive comparison

Imaging station

Company					
Product name	iCare+	Tele Pack +	EndoCam	EndoLight	Duo Full HD
Photo					
Speciality	Gynecology	Gynecology / Urology / ENT	Urology / Pulmonology		Gynecology / Laparoscopy / Urology / Arthroscopy / ENT / spinal endoscopy
Dimensions of the control unit w x h x d	310 x 75 x 310 mm	470 x 387 x 222 mm	150 x 55 x 220 mm	150 x 55 x 220 mm	260 x 100 x 215 mm
Weight of the control unit	4.2 kg	9 kg	1.5 kg	1.8 kg	1.9 kg
Power supply	100 - 230 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz		100-240 VAC, 50/60 Hz
Power consumption	230 VA	140 VA	12 VA	110-145VA	85 - 95 VA
Camera	CMOS 1/3" HD sensor	Recommended by Storz: CMOS 1/3" HD sensor	1/3" HD sensor		CMOS 1/2" HD sensor
Camera head sterilization	Not autoclavable. Immersion in an enzymatic cleaning solution and then in a glutaraldehyde solution	Immersible, gas and plasma sterilisation. Autoclavable depending on camera head choice.	NP		Not autoclavable. Immersion in an enzymatic cleaning solution (Cidezyme 0.8%)
Resolution	1920 x 1080	1920 x 1080	1920 x 1080		1920 x 1080

Company	 delmont imaging			
Product name	iCare+	Tele Pack +	EndoCam EndoLight	Duo Full HD
Definition	> 900 lines	NP	NP	1080 lines
Scan	Progressive	Progressive	Progressive	Progressive
Sensibility	2 000 lux at F8	NP	NP	23 000 lux
Signal to noise ratio	54 dB	NP	NP	NP
Electronic shutter	Automatic (1/50 to 1/50 000)	NP	Automatic	Automatic (1/50 to 1/100 000)
Weight of camera head	400 g	130 ou 142 g (without cable)	NP	240 g
Weight of camera head (without lens)	340 g	NP	125 g (without cable)	150 g
Camera cable length	2.3 m	3 m	2.5 m	3 m
Lens	C-mount F=22 mm	C-mount F=16 mm	C-mount F=17 mm	C-mount F=24 mm
User buttons	3 : white balance, photos/videos, preset (anti-moiré, gain, zoom or without function)	3 (including 2 presets)	2	3 : white balance, photos, image freeze, anti-moiré, preset (brightness or zoom)
Settings	Brightness, saturation, contours, gamma, blue shift, red shift, 3 zooms (x1, x1.5, x2)	Brightness, zoom, full screen, image freeze	Brightness, zoom (x1.5)	Brightness, sharpness, blue shift, red shift, red phase, color, gain
Light source	LED	LED	LED	LED
LED light intensity control	Buttons on control unit	Touch boutons on home screen	Buttons on control unit	Touch boutons on home screen
Light source lifetime	50 000 h	NP	>30 000 h	50 000 h
Light source nominal power	95W (equal to 300W Xenon)	NP	equal to 180W Xenon	equal to 180W Xenon

delmont imaging

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SAS au capital de 252 400 euros - RCS Marseille 817 710 411 - N° de TVA Intracommunautaire : FR 81 817 710 411

Company	 delmont imaging	 KARL STORZ ENDOSKOPE	 RICHARD WOLF	 COMEG medical technologies
Product name	iCare+	Tele Pack +	EndoCam EndoLight	Duo Full HD
Color temperature	6 000 °K	5 700 °K	2 300 to 7 000 °K	5 400 °K
Light cable detection	✓	NP	NP	✓
Different light cables compatibility	✓ SLIDe (Storz, Wolf, Olympus)	✗	✗	✓ (Storz, Olympus)
Light cable length	2.3 m	2.3 m	2.3 m / 3 m / 3.5 m	3 m
Sending photos via WiFi	✓	✓	✓	✗
Storage	USB key 2.0 32 GB	2 USB key 2.0 32 GB	On software	USB key
Video outputs	2 HDMI and 1 3G-SDI	DVI-D	HDMI	HDMI and HD-SDI/3G-SDI and USB 3.0 micro B
Cart height	1.80 m min. - 2.65 m max.	NP	NP	1 m ou 1.50 m
Cart weight	36 kg	NP	NP	NP
Fixed shelves	2	1	NP	1
Infusion stand	1	0	NP	0
Camera holder	1	1	NP	0
Light cable holder	1	1	NP	0
Jack input and output	✓	✓	NP	✗
Monitor screen	24" Full HD	18'5" Full HD	21.5"	27" Full HD
Included additional screen to view the exam	iPad Pro 12.9" silver 256 GB	✗	✗	✗
Application	imagyn	Scenara software	Flex documentation software	Sopro Imaging software (on CD)
Available languages	13	NP	NP	27

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Company					
Product name	iCare+	Tele Pack +	EndoCam	EndoLight	Duo Full HD
Report entry	Easy, directly on application then export/printing	✗	✗		Report to build by yourself on Word
Annotations on images	✓	✗	✗		✓
Annotations on predefined sketches	✓	✗	✗		✓
Pre/post image viewing	✓	✓	✗		✓
Setting up the imaging station from the application	✓	NA	NA		✓
Interoperability	✓	✓	✗		✗

* NA : Not applicable

NB : These competitors and products were chosen as a comparison for their solution dedicated to the ambulatory sector.