

Improve the image quality of your endoscopic system!

RePure-L

Video Quality Improvement Device

RePure-L utilises a unique super-resolution algorithm (international patent pending) to **improve video/still images** blurred by the optical limit of the endoscope lens, **resulting in clear, sharp images even when using small diameter electronic endoscopes (videoscopes).**

In recent years, ever smaller videoscopes are being sought, to ease the physical stress of patients. No matter how high the performance of the CCD may be, the quality of endoscope images is dependent on the quality of the lens attached at the tip. **The optical limit of a small diameter lens makes it difficult to form a sharp image.**

RePure-L **improves optically degraded images** to provide vivid images of the surface structures of microscopic blood vessels and mucous membranes, enabling the discovery of the most minuscule of lesions.

Also, the time and energy a doctor expends during diagnosis can be reduced.

Installation is simple (simply connect the unit to the image processing endoscope and the monitor), **and is optimal for improving the image quality of your endoscopic system.**

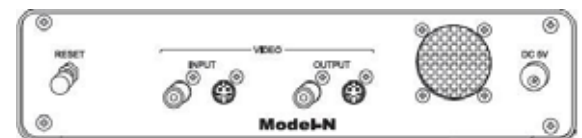


Specifications		
HD/SD	SD	
Model	Model-N Model-D	
Description	Processes input video signals based on the focus value and improves the image quality according to the number of calculations that has been set	
Performance	Algorithm	Lightron RePure-L
	Focus value	Select from 7 settings (0, 2, 4, 6, 12, 24, 48)
	No. of calculations	1 - 7
	Calculation precision	Optional "New Iteration" Mode 12-bit RGB
	Calculation delay time	Max 2 frames (at 720x480 size)
	Display modes	Full screen mode (super-resolution image) Split screen mode (left: original image, right: super-resolution image) * Optional
	Clock frequency	133MHz (main clock)
Power/ Dimensions	I/O	S-Video connector DVI-D connector RCA composite No analogue signals NTSC
	Power/Dimensions	AC power adapter: 100-240VAC, 47-63Hz
	Power	5VDC/4.0A
Power/ Dimensions	Max external dimensions	Approx 220 x 55 x 238mm (W/H/D)
	Weight	1.0kg
Medical Device Approval No (Japan)		13B2X00388000001
JMDN Code		18034000

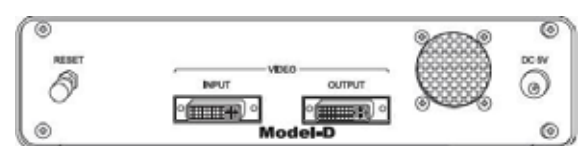
Front panel



Rear panel (Model-N)



Rear panel (Model-D)



- * It is recommended to connect recording devices to the output connector of the monitor.
- * The specifications and external dimensions of this unit are subject to change without prior notification, due to modifications or improvements.
- * This product in the form exhibited here does not comply with the statutory provisions of the European Union and can only be acquired in the European Economic Area once compliance has been established.



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