

LIGHTENING THE PATH TO DETAIL

The 2K Solution

A part of SonoScape's Minimally Invasive Surgery (MIS) Product Line



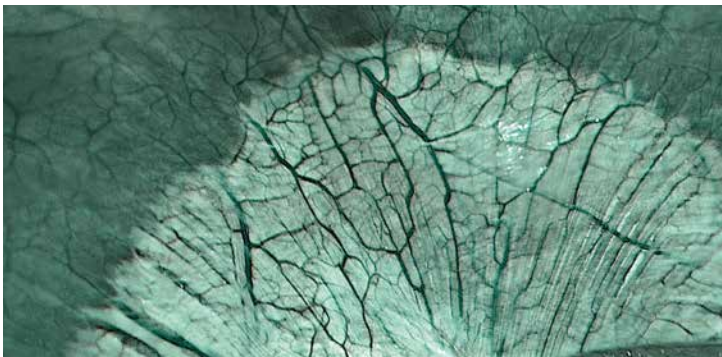
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The imaging technology you can rely on

Every SonoScape’s MIS system comes with VIST¹, a chromoendoscopy technology that combines optical and digital image processing. VIST enhances the details of the mucosa and the blood vessels. With this added information, VIST may help surgeons in lesion detection and in-vivo diagnosis.



¹Versatile Intelligent Staining Technology

SonoScape’s 2K system outputs 1920×1080p and 60FPS Full High Definition (FHD) digital signal.

Image Processor SV-M2K30	
Resolution	Full HD 1920×1080
Storage	USB, snap to export
Video output signal	DVI×2, HD-SDI×2, Y/C×1, CVBS×1
Digital zooming	2-times , 3-step setting
White balance	Auto and memory
Image enhancement	Edge enhancement
IRIS	Auto/Peak/Average

Light Source SL-ED10	
Lamp	2-LED
Brightness	Level 1-19
Light modes	WL / VIST
Standby mode	Low illumination
Lamp life	≥10,000 hours, with indicator
Mechanical features	Low heat, low noise

Illumination Cable	
	Type92-480-300
Total length(mm,±5%)	3000
Dimensions of light input surface (mm,±10%)	Diameter:5.6 Lengt:62.0
Dimensions of light output surface (mm,±10%)	Diameter:5.3 Lengt:16.0
Spectral transmittance(420-720nm)	≤25%
Light transmittance(420-720nm)	≤35%

The visual exeperience you can truly trust

Equipped with a 3-CMOS image sensor, the image colour, edge and structure are optimised, the noise minimised. It provides an outstanding and stable visual field down to details, creating an excellent visual experience for the surgeons with true-to-colour images, enabling easier and finer operations.

The optical excellence you called for

The paired light source employs a multi-LED light source with a life span of 10,000 hours. You will obtain a noticeable brighter, high-quality image with minimal light loss. With the durable and malleable illumination cable, it further improves the light transmittance efficiency.

The light output is auto-adjusted according to the environment, maintaining a stable brightness, and balancing the light attribution.



The sublime match you have imagined

Your high definition image processing system deserves a scope like this.

Introducing SonaScape’s brand new small diameter rigid scopes, spinning from a variety of medical specialties and offering endless minimally invasive therapeutic possibilities.

Designed to meet the key requirements for any successful procedure, our rigid scope portfolio is the epitome of consistently clear visual field and exceptional first-class HD image quality. Pair it with SonaScape 2K or 4K system, experience this sublime match and the efficiency it brings to your operation room.

The configuration and versatility you demand

High performing, functional and ergonomic, SonaScape’s camera head is equipped with a 3-CMOS image sensor, supporting 60FPS Full-High-Definition (FHD) digital signal. Furthermore, it is designed to offer a brilliant user’s experience.

- Versatile 16-32 mm multi-focal lens allows up to 2X optical zoom, satisfying various visual field requirements in different specialties.
- The 4 customisable, one-key-access remote buttons facilitate parameters tuning in the middle of a procedure.

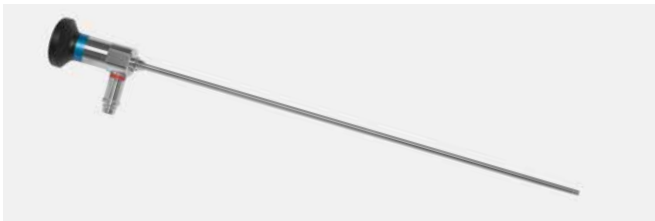
The international standard C-mount guarantees better compatibility with other brands and models of endoscopes.

Camera Head	
Lens mount	Universal Coupling
Pickup system	CMOS image sensor×3
Magnification ratio	Focal lens 16-32 mm
Chromoendoscopy	VIST
Progrmmable camera head buttons	+/- buttons: Brightness adjustment, Edge enhancement, Image magnification or Contrast enhancement A/B buttons: White balance adjustment, Snap/Record, Gain, VLS or freeze
Type of protection against electric shock	Type BF
Degrees of protection against harmful liquid	IPX7



Laparoscopes
Rigid endoscope with rod lens system; 10 mm & 5.0 mm in diameter.

Item	EndoscopeØ	Working length	Direction of view	Field of view
11.0031a	10.0 mm HDScope	344 mm	0°	wide angle
11.0043a	10.0 mm HDScope	344 mm	30°	wide angle
11.0055a	5.0 mm HDScope	312 mm	0°	wide angle
11.0057a	5.0 mm HDScope	312 mm	30°	wide angle



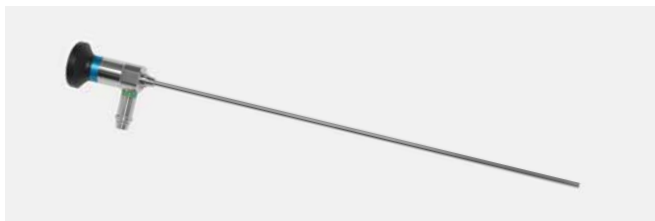
Hysteroscopes
Rigid endoscope with rod lens system;2.9 mm in diameter.

Item	EndoscopeØ	Working length	Direction of view	Field of view
41.0160a	2.9 mm HDScope	302 mm	0°	wide angle
41.0161a	2.9 mm HDScope	302 mm	30°	wide angle



Arthroscopes
Rigid endoscope with rod lens system; 4.0 mm in diameter.

Item	EndoscopeØ	Working length	Direction of view	Field of view
21.003a	4.0 mm HDScope	175 mm	0°	wide angle
21.008a	4.0 mm HDScope	175 mm	30°	wide angle
21.0011a	4.0 mm HDScope	175 mm	70°	wide angle



Cystoscopes
Rigid endoscope with rod lens system; 4.0 mm in diameter.

Item	EndoscopeØ	Working length	Direction of view	Field of view
41.0047a	4.0 mm HDScope	302 mm	0°	standard
41.0059a	4.0 mm HDScope	302 mm	12°	standard
41.0057a	4.0 mm HDScope	302 mm	30°	standard



Monitor

The uplifted hand-eye coordination you desire to achieve

This large, near-patient surgical display is known for its exceptional image quality and advanced user interface.

- An excellent depth perception and extra accurate images.
- The light output stabilisation ensures image consistency. The unique failover mode enables automatic switch to a defined backup source when the main input signal is missing.
- Smart cable management system for a clutter-free set-up.
- Highly durable, scratch-resistant front glass that promotes a sublime optical performance.

DSP-260WA	
Screen technology	IPS-PRO technology with LED backlight
Dimension	640 mm (W)×419 mm (H)×87 mm (D)
Weight	9.4 Kg
Resolution	1920×1080p 60Hz
Life span	>50,000 hours
Active screen size	576×324mm
Response time	18ms
Colour support	1,073 million
Pixel pitch	0.3mm
Luminance	900 cd/m² (typical) - 700 cd/m² (Min)
Contrast ratio	1400 : 1 (TYP)
Viewing angle	178°Hor/178°Ver
Signal input	DVI/SDI/Component Video/SVideo/Composite video
Signal output	DVI/SDI/SVideo/Composite video
Power	65W (nominal)
Front protection screen	2-side, scratch-resistant AR alkali-aluminosilicate glass
Keyboard	Capacitive 7-key touch keyboard

Trolley

The uninterrupted workflow that becomes a part of you

Designed to streamline your workflow, SonoScape's trolley selection makes a perfectly stable and reliable companion.

HDT-500R	
Trolley workload capacity	280kg
Shelf-A, B load capacity	40kg each
Wheels/castors	Four antistatic wheels with individual brakes
White balance cap	Mounted on trolley
Trolley material	Metal and moulded fibre
Keyboard holder	Available
Rear door	Available with Magnetic Locks
Isolation transformer	Available
Adjustable scope hanger	Available (Optional)
Light guide connector holder	Available
Adjustable shelf height	Available (Shelf-A, B)
Swivel monitor hanger	Available
Dimensions	1183(H)×706(D)×579(W) 425 mm×470 mm working space per tray

