

The Intelligent | **i-MIMER^{sys}**
IRP-controlled Irrigation
and Suction Pump



Technical Specification			
Voltage	100V-240V-AC	Dimension(W×H×D)	420×200×410mm
Weight	12.4kg	Irrigation Flow	10mL/min -1800mL/min
Irrigation Pressure	15mmHg-450mmHg	Suction Flow	5L/min-55L/min
Suction Pressure	60mmHg-450mmHg	Cavity Pressure	10mmHg-300mmHg

*Stone-free
Revolution*



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The Intelligent | **i-MIMER^{sys}**
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The Intelligent | *i-MIMER*^{sys} IRP-controlled Irrigation and Suction Pump

The Intelligent IRP-controlled Irrigation and Suction Pump is a medical device designed for use in endoscopic surgeries. It uses an The Intelligent IRP-controlled Irrigation and Suction Pump to precisely regulate the pressure and flow rate of the irrigation flow, as well as the level of suction, thereby ensuring efficient control of the surgical environment. Its purpose is to provide precise irrigation and suction functions, aiding surgeons in maintaining a clear view, reducing surgery time, and minimizing complications.



Safety System

Effective prevention of liquid backflow protects the equipment from damage, ensuring long-term stability and reliability.



Real-Time Monitoring

Continuous real-time monitoring of flow speed and pressure ensures accurate data throughout the surgical process.



Automatic Start/Stop

Automatic control of irrigation and suction pumps maintains optimal intrarenal pressure, with preoperative zeroing of intrarenal pressure to ensure accurate real-time IRP (Intrarenal Pressure) readings.



Precise Control

The Intelligent IRP-controlled Irrigation and Suction Pump can precisely adjust irrigation and suction parameters based on surgical needs, improving operational efficiency and safety.



Multifunctional Integration

Integration of irrigation and suction functions minimizes equipment footprint and reduces operational complexity, facilitating efficient management in the operating room.



Real-time IRP monitoring, precise pressure control

Up to 55 L/min
Suction flow

Up to 1800ML/min
Irrigation flow



Multi-Room Usability
increases the efficiency of
medical facilities.



Versatile Applications

can be utilized across various surgical scenarios, including gynecology, general surgery, and urology enhancing equipment utilization and cost-effectiveness



User-Friendly

The intuitive user interface and alarm system make operation simpler and more straightforward.



Customizable

Surgeons can preset operational parameters, allowing for tailored and optimal surgical performance.



Urology



General Surgery



Gynecology



IRP sheath

Real-time IRP monitoring



Flexibility and Maneuverability

Designed to adapt to complex surgical pathways and anatomical structures



Effective Debris and Fluid Removal

Utilizes a negative pressure system to efficiently remove stone fragments and fluids, ensuring a clear surgical field.



Minimized Tissue Trauma

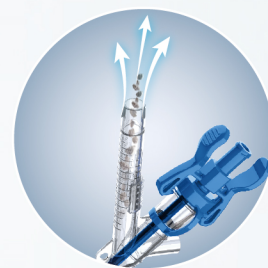
Engineered for flexible operation within the urinary tract, minimizing tissue damage and promoting safer, more precise interventions.



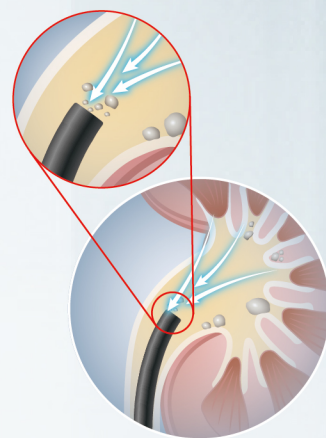
IRP Monitoring



Flexible Tip



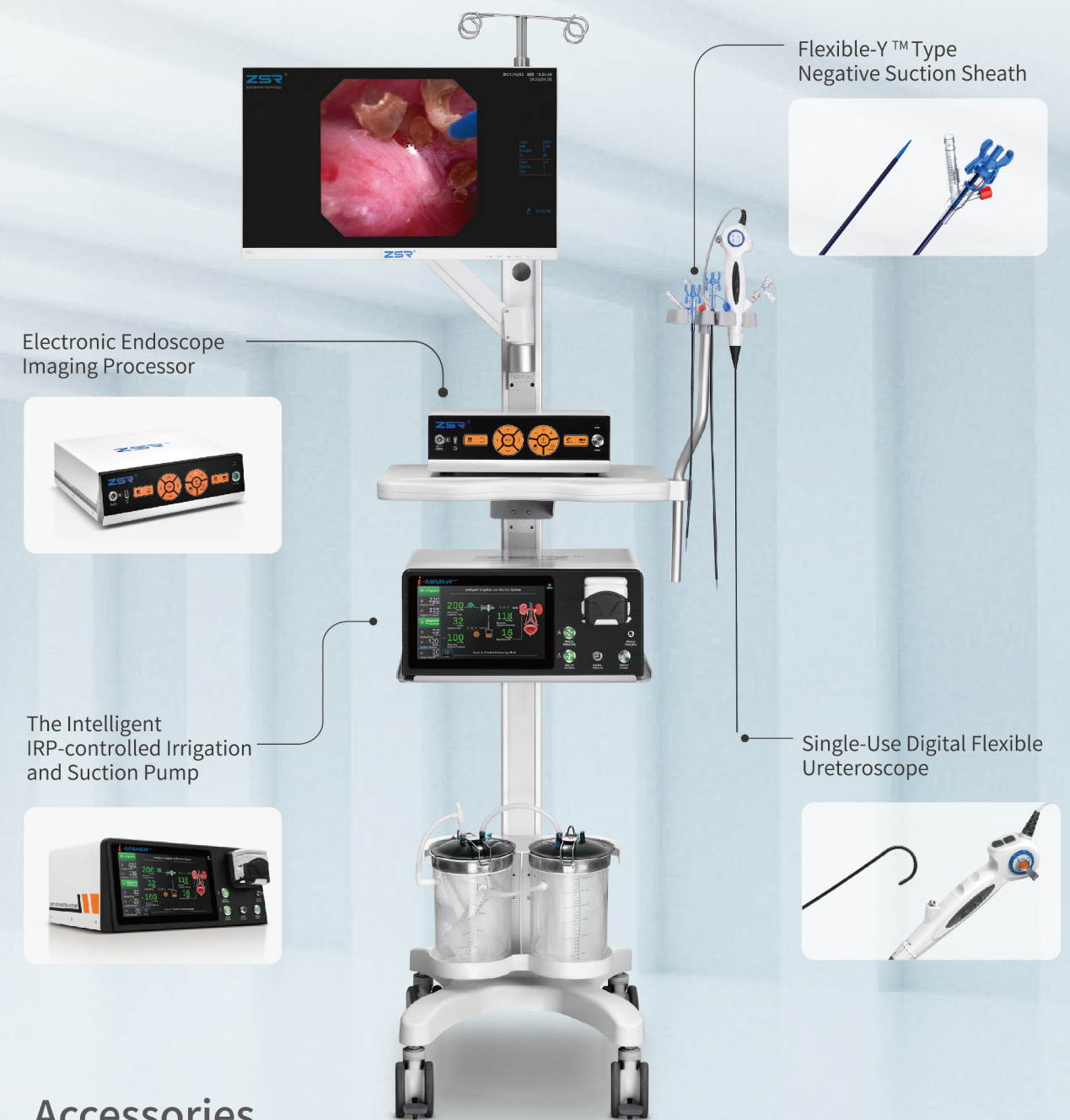
Visualized Stone Clearance



IRP Sensing Point

Ensures high-efficiency IRP monitoring
Transforming safety into a visualized operation

The complete stone-free solution



Electronic Endoscope Imaging Processor



The Intelligent IRP-controlled Irrigation and Suction Pump



Flexible-Y™ Type Negative Suction Sheath



Single-Use Digital Flexible Ureteroscope



Accessories



Disposable Irrigation Tube



Stone Collecting Bottle



Disposable Suction Tube



Fluid Waste Collecting Bottle