

HyPort Series

Medical supply unit

Care for health with unrivaled flexibility



Medical Supply Unit

With the continuous improvement of medical levels, people pay more attention to efficient clinical workflow. Mindray innovation integrates high-end technology with ergonomic design.It develops a new generation of medical supply unit HyPort series, providing an efficient, easy-to-use and safe operating room environment.



HyPort P30
Mechanical Pendant



HyPort P60
Motorized Pendant



HyPort P90
Vertically Lifting Pendant

Customized Design with Future-proof Flexibility



Comfortable layout



Easy to use



Improve efficiency

- Various supporting solutions towards different medical devices
- Innovative cable management provides a clean and orderly workstation
- Ergonomic functionality with optimized workflow efficiency
- Infection control and safety system secure the surgical progress

Safety

Safety is the first priority for medical devices, especially pendants that lift and support other heavy machines.



Brake system
Besides the standard friction brake, pneumatic or electromagnetic can be an option for additional safety.



Oxygen concentration monitoring
24-hour continuous monitoring of oxygen concentration with built-in alarm system



Infection control

- Screwless design ensures no snags or cuts
- Antimicrobial powder coating surface treatment

Anesthesia Pendant Solution

Regardless of the adoption of anesthesia solutions, it gives physicians a reliable platform to work with anesthesia machines and creates a comfortable, safe operating room environment.



With a motorized arm/lifting system, HyPort P90 can lock your anesthesia workstation or endoscopy cart and lift them off the floor. The devices can be conveniently moved into the desired area and securely parked, providing a clean and efficient workflow.



Mindray also provides a compact anesthesia pendant design, namely P30/P60 with head distribution only, ensuring a large operating space for the surgical team.



Endoscope Pendant Solution

Minimally invasive surgery is known as a technique with fewer complications, shorter hospital stays and less pain. Cameras, computers, and instruments are capable of providing very precise movements to endure the procedures. Mindray endoscope pendant with the new Σ distribution is an innovative solution for those numerous devices and cables.

Endoscope Pendant Solution

Cable management



Electrical cables hidden inside the column cavity



Built-in cable management with flexible position

Smart storage



A better basket to hold foot switches with cables

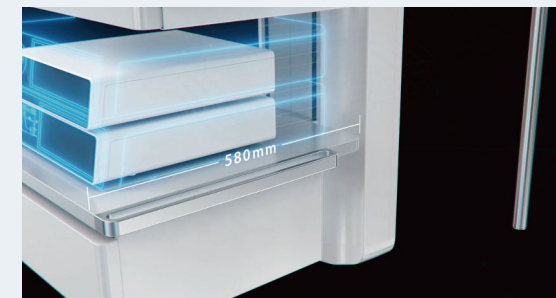


Dedicated holder for laparoscopic camera

Future-proof flexibility



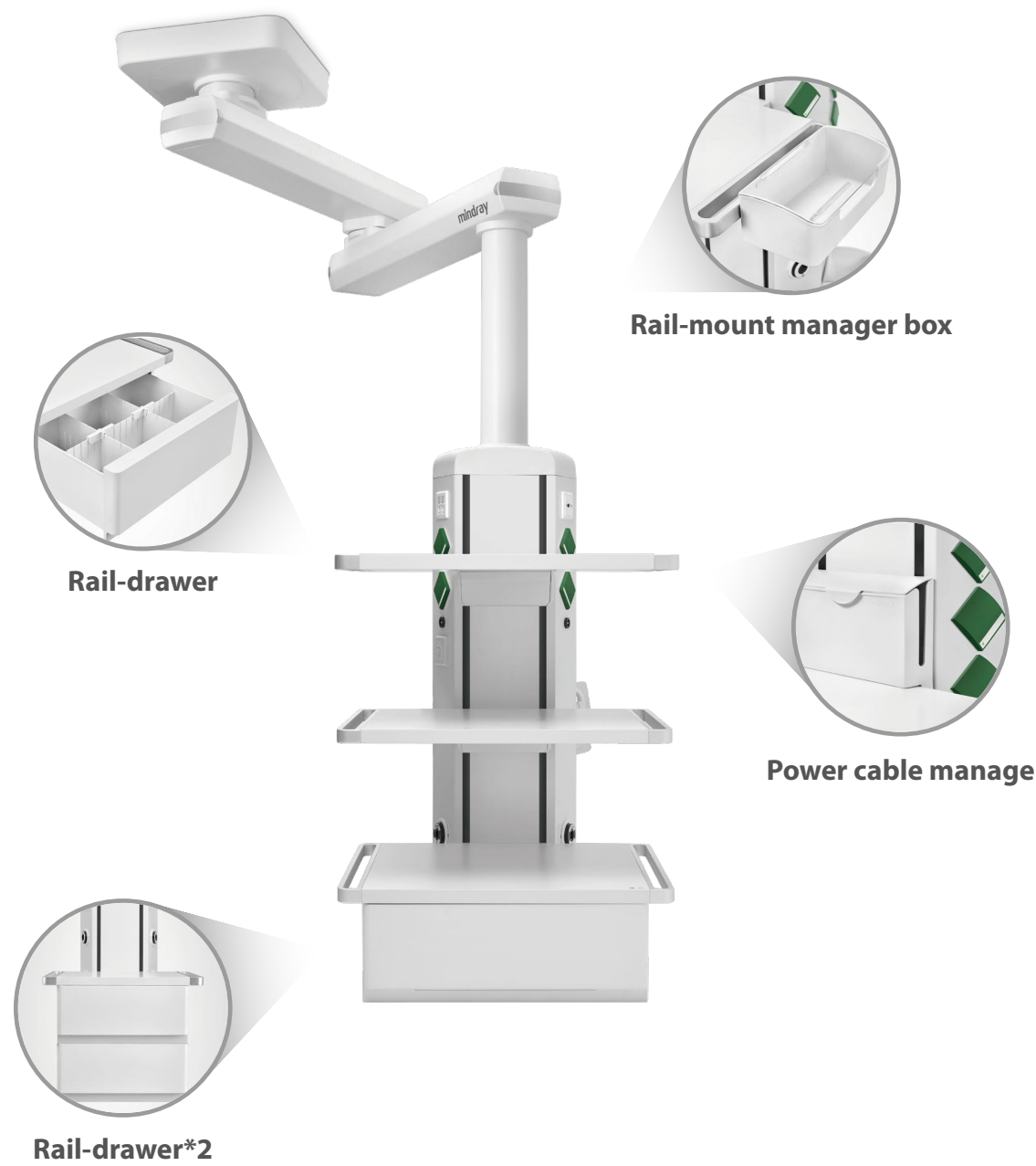
Isolated cavity design for safety concern



Extendable shelf design provides more space for large equipment.

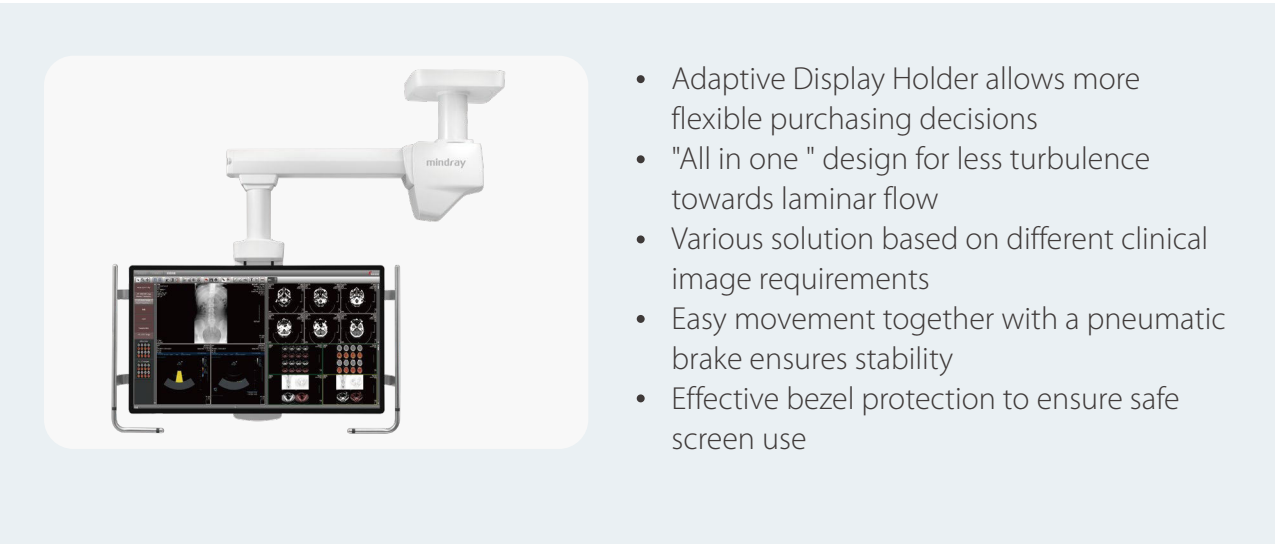
Surgical Pendant Solution

The design of the column will maximize the configuration requirements towards the quantity of electrical sockets and gas outlets. In addition, the front and rear panels can be expanded as the component panels.



Imaging Mounting Solution

Due to different clinical requirements and various display selections, the manufacturers were required to do lots of time-consuming and expensive customization previously. The Mindray imaging mounting solution provides flexible configurations.



The monitor hanger can be adjusted according to the size of the monitor to meet different viewing needs, compatible with large format screens up to 65".



Integrated information solution for Hybrid OR, Catheterization Lab, MIS OR, four screens up to 32", six screens up to 27".

HyPort P60

Medical Supply Unit



Technical data

Main

Suspension tubes	100-1200mm	
Column	<ul style="list-style-type: none"> • Ω Column , 500mm, 800mm, 1000mm • Σ Column , 800mm, 1000mm, 1250mm • Head, 780mm, without pole • Screen Holder for 1 display • Screen Holder for 4 displays • Screen Holder for 6 displays • Patient Lifting System 	
Load capacity	Refer to appendix table A	
Braking	Pneumatic	Optional
Rotation	340°	
Lifting distance		
Arm length (mm)	Lifting distance	Speed
750mm	300mm \pm 10%mm	10mm/s
1000mm	450mm \pm 10%mm	10mm/s

Service components

Supply gas outlets	Oxygen (O2), Nitrous Oxide (N2O), Carbon dioxide(CO2), Compressed air (Air), Nitrogen gas(N2), Vacuum (Vac), High pressure air, Anaesthetic gas scavenging system (AGSS)	As required
Supply data outlets	HDMI, BNC, VGA, DVI-D, S-VIDEO, RJ11, RJ45	
Max outlets	Ω Column, 500mm——30 units	(Simulate the arrangement of the Socket Legrand)
	Ω Column, 800mm——48 units	
	Ω Column, 1000mm——60 units	
	Σ Column, 800mm——12 units	
	Σ Column, 1000mm——16 units	
	Σ Column, 1250mm——20 units	
	Head, 780mm——28 units	

Others

Optic design	(Optional) Oxygen Concentration Monitoring	Only Ω Column & Σ Column
	(Optional) Endoscopy Camera Holder	
	(Optional) Leadwire Manager	
	(Optional) Rail-mount Manager Box	
	(Optional) Foot Switch Wire Basket	
	(Optional) Manager Box for Respiratory Hag	Only Ω Column
Green Features	All with ROHS required material Antimicrobial coating	

Standards		
According to Medical Device Directive	Medical devices Regulation, REGULATION (EU) 2017/745 (MDR)	Class II
Medical electrical devices	DIN EN 60601-1	
Medical electrical devices	DIN EN 60601-1-2	
Medical Supply Units	DIN EN ISO 11197	
Environment		
Power Supply	Power : 100-127V/220-240V~, 50/60Hz, 25A Output: 100-127V/220-240V~, 50/60Hz, 16A	
According to the protection against harmful ingress of water or particulate matter	IP20	
Environmental Specifications		
	Operating Environment	Storage and Transportation
Temperature	+ 5 °C up to + 40 °C	– 40 °C up to + 60 °C
Humidity (noncondensing)	15% to 95%, non-condensing	10% to 95%, non-condensing
Atmospheric pressure (kPa)	70-106	50-106

Appendix table A

Model	Arm length (mm)	Max. load (kg) (under the swivelarm)
HyPort P60	750	220
	1000	180
	500+750	220
	750+750	200
	1000+750	180
	1250+750	160