

Smart IoT Series Biosafety Cabinets



HR1200-IIA2-X
HR1500-IIA2-X
HR1800-IIA2-X

Main Applications:

Professional localized air purification equipment suitable for pharmaceuticals, medical and health industries and scientific research laboratories of universities and colleges as well as other related fields

Qingdao Haier Biomedical Co.,Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266109, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



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Product function advantages



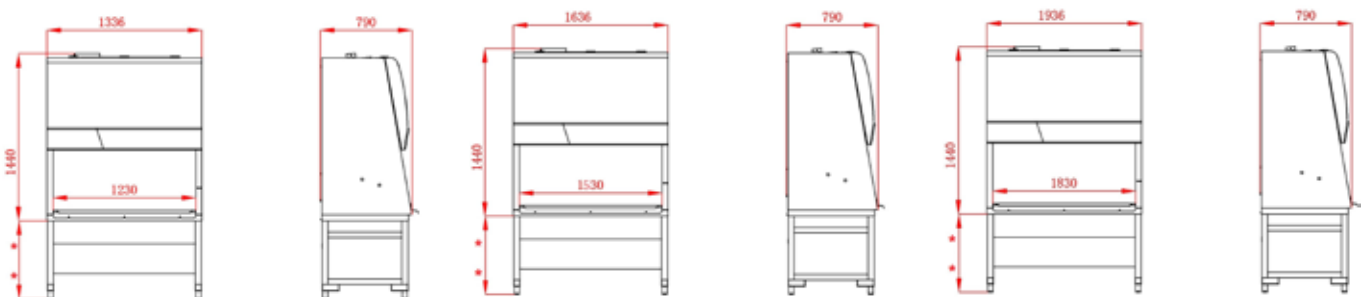
- The dual DC fans meet the low-noise, energy-saving and high-reliability requirements
- Utilizing intelligent constant air speed design to monitor the downward airflow and the inlet airflow in real-time. The dual air speed sensors adjust the fan speed through a microcomputer system so as to maintain constant air speed inside the cabinet
- Adopting ultralow penetration air filters (ULPA) ensuring a cleanliness grade conforming to Class 1 of the American standard FED STD 209E (Class 3 of ISO14644-1) and using pressure sensors to monitor the service life of the filters in real-time to ensure superior accuracy and efficiency
- Optional - X series - electric lifting glass doors with matching foot switches
- Optional - X series - comes equipped with surveillance cameras to record the operating status of the left and right working areas respectively and independently
- Optional - Intelligent IoT module to enable the mobile App to monitor the running state of the safety cabinet and display the performance parameters such as air speed and filter life in real-time
- Adopting an intelligent interlock design to avoid the risk of misoperation; with an operational front window interlocking with the UV lamp, LED lamp and fan intelligently to ensure better security
- Patented technology one-button UV lamp timer, enabling the memory setting of the user's UV lamp usage habits for convenient one-key start-up of the UV lamp timing function

Product construction advantages



- Using platform-type hand rest racks which are comfortable to use and can relieve fatigue; with leak-proof construction to prevent the splashed liquid waste from entering into the seams of the racks
- The cabinet body has a 10-degree inclination design, which is in accordance with ergonomic principles and more comfortable to operate
- The cabinet has a pull-down front window, which makes cleaning of the upper glass easy after pulling down the glass front window and removing the hand rest racks
- With an integrated workbench and a stainless steel liquid collecting tank with an area larger than the workbench so as to prevent liquid leakage
- Constructed with a universal caster design to facilitate ease of movement by users; and comes with built-in threaded feet to prevent bacterial growth
- With real-time display of the filter life and the running time of the fan and the UV lamp, the system alerts the user by alarm when the service life of the filter and the UV lamp becomes less than 10%, which is convenient and safe

Product dimension



HR1200-IIA2-X

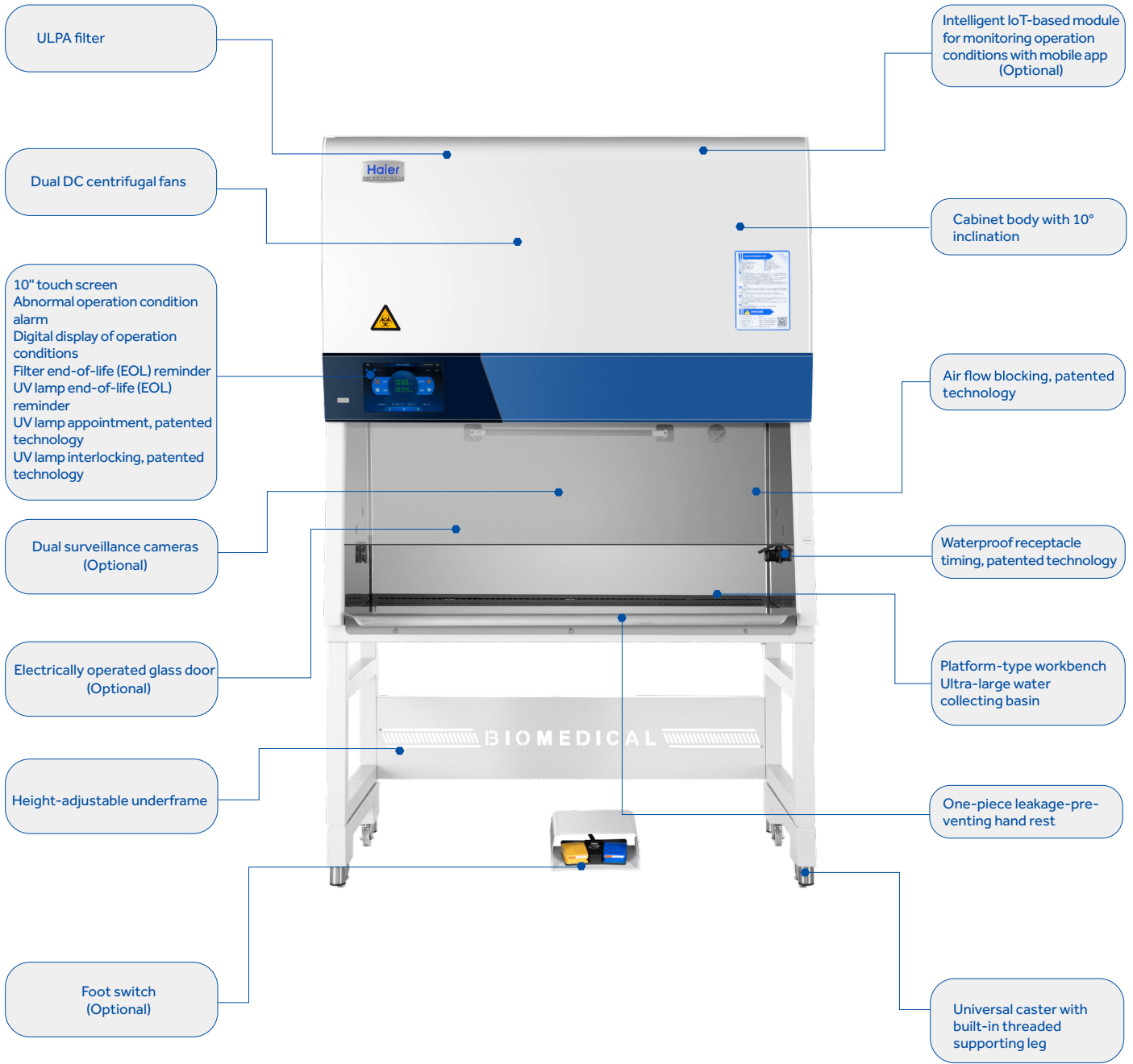
HR1500-IIA2-X

HR1800-IIA2-X

**means the adjustable stand ranges from 680mm to 900mm.

Biological Safety Cabinet: Intelligent IoT Series

Product dimensions



Specifications



Model		HR1200-IIA2-X	HR1500-IIA2-X	HR1800-IIA2-X	
General Specifications	Power Supply(V/Hz)	220-240/50/60	220-240/50/60	220-240/50/60	
	Power(VA)	1600	1670	1850	
	Power of Blower(W)	DC 120, DC 112	DC 190, DC 112	DC 120, DC 112	
	Airflow Circulation	70% Downflow,30% Exhaust	70% Downflow,30% Exhaust	70% Downflow,30% Exhaust	
	Main Filter Typical Efficiency	ULPA ,U15.99.9995%@0.12um	ULPA ,U15.99.9995%@0.12um	ULPA ,U15.99.9995%@0.12um	
	Exhaust Filter Typical Efficiency	ULPA ,U15.99.9995%@0.12um	ULPA ,U15.99.9995%@0.12um	ULPA ,U15.99.9995%@0.12um	
	Exhaust Filter	Single	Single	Single	
	Filter's Brand	AAF	AAF	AAF	
	Downflow Velocity(m/s)	0.30	0.30	0.30	
	Inflow Velocity(m/s)	0.45	0.45	0.45	
	Lighting Intensity (Lux)	1317	1396	1133	
	Sound Level(dB(A))	59.3	61	63.5	
Dimensions	Net/Gross Weight	kg	280/340	320/400	380/465
		lbs	617/750	705/882	838/1025
	Internal Dimensions(W*D*H)	mm	1230*600*655	1530*600*655	1830*600*655
		in	48.4*23.6*25.8	60.2*23.6*25.8	72.0*23.6*25.8
	External Dimensions(W*D*H) (Width without Armrest)	mm	1336*845(790)*2120	1636*845(790)*2120	1936*845(790)*2120
		in	52.6*33.3(31.1)*83.5	64.4*33.3(31.1)*83.5	76.2*33.3(31.1)*83.5
	Packing Dimensions(W*D*H)	mm	1435*945*1700	1720*945*1700	2038*945*1700
		in	56.5*37.2*66.9	67.7*37.2*66.9	80.2*37.2*66.9
Support Stand(mm)	680-900mm adjustable height(standard)		680-900mm adjustable height(standard)	680-900mm adjustable height(standard)	
Sash Opening(mm)	200(Max 480)		200(Max 480)	200(Max 480)	
Container load (20'/40'/40'H)	8/16/16		6/12/12	6/12/12	
Alarm Functions	Alarm	Sound and Flash		Sound and Flash	
	Closing Fan Alarm After Door Opening	Y	Y	Y	
	Door Ajar	Y	Y	Y	
	Abnormal Inflow	Y	Y	Y	
	Abnormal Downflow	Y	Y	Y	
	Door Open More than Limit	Y	Y	Y	
	Filter Clogging	Y	Y	Y	
	Filter Damage	Y	Y	Y	
Filter Lifetime Lack	Y	Y	Y		
UV light Lifetime Lack	Y	Y	Y		
Accessories	UV Lamp	Y	Y	Y	
	Socket	2 Sockets		2 Sockets	
	Valve Port	Optional		Optional	
	Side Wall Service Taps	Optional gas tap, vaccum tap, compressed air tap and water tap		Optional gas tap, vaccum tap, compressed air tap and water tap	
	Antimicrobial Powder Coating	Optional		Optional	
	316SS Work Surface	Optional		Optional	
	Work Surface	One-piece		One-piece	
	Touch Screen	Y		Y	
	Motorized Window	Optional		Optional	
	Foot Switch	Optional		Optional	
	Armrest	Y		Y	
Exhaust Duct Connection Kits	Optional		Optional		
Others	Certification	CE,TUV		CE,TUV	

*Haier Biomedical reserves the right to change products and specifications without prior notice.