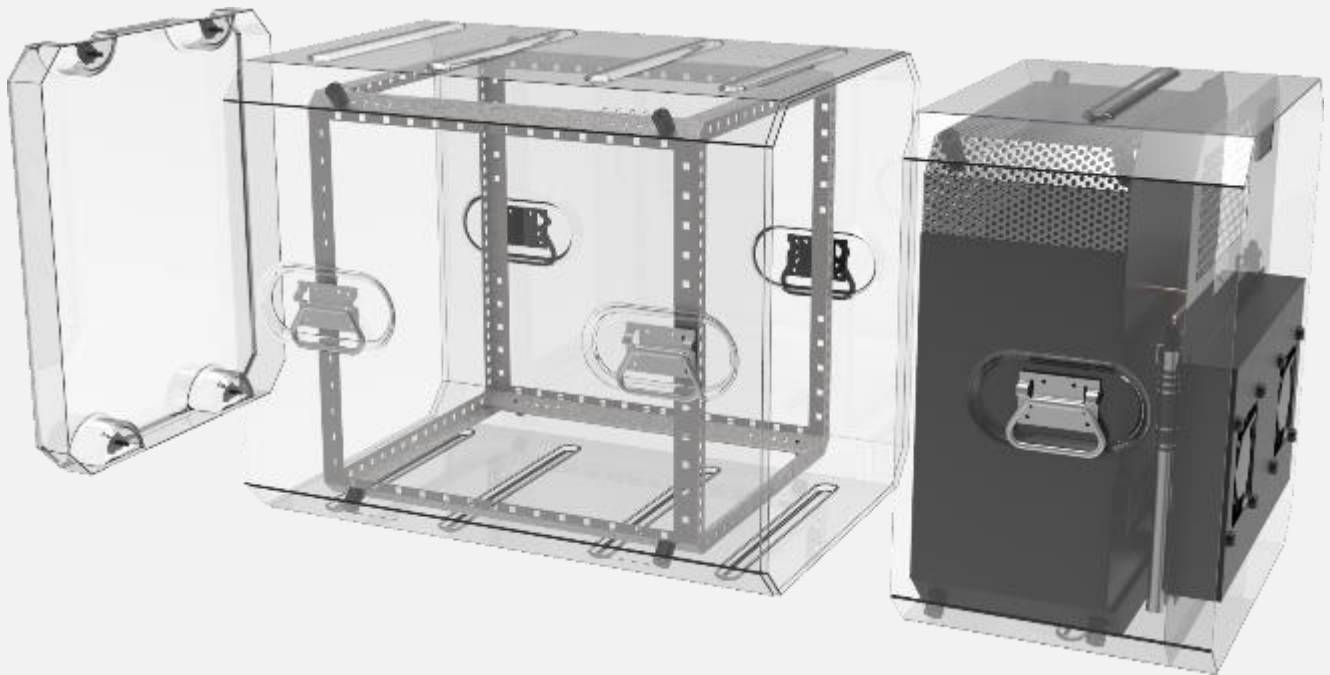




INVENTRA
SURVEILLANCE SYSTEMS

ACP20 – Portable Climatic Rack Cabins

Protective Equipment Cases for housing and transporting of
Electronic Equipment



Distinctive Features

- ❖ **Efficient Vapor Compression Cooling:** The air-conditioned rack cabin employs a Vapor Compression Cycle (VCC) based cooling system. This advanced technology utilizes a compressor to provide highly efficient air conditioning, offering cooling capacities of up to 1500W for effective temperature control.
- ❖ **Comprehensive EMI/EMC Protection:** The cabin ensures EMI/EMC protection through conductive gaskets, wire mesh braid, embedded wire, and Faraday cage features.
- ❖ **Robust Weather and Contamination Protection:** Designed with an IP65 rating and accredited to MIL-STD-810G, the rack cabin effectively shields essential electronics and equipment from contamination from water, dirt, dust, and sand.

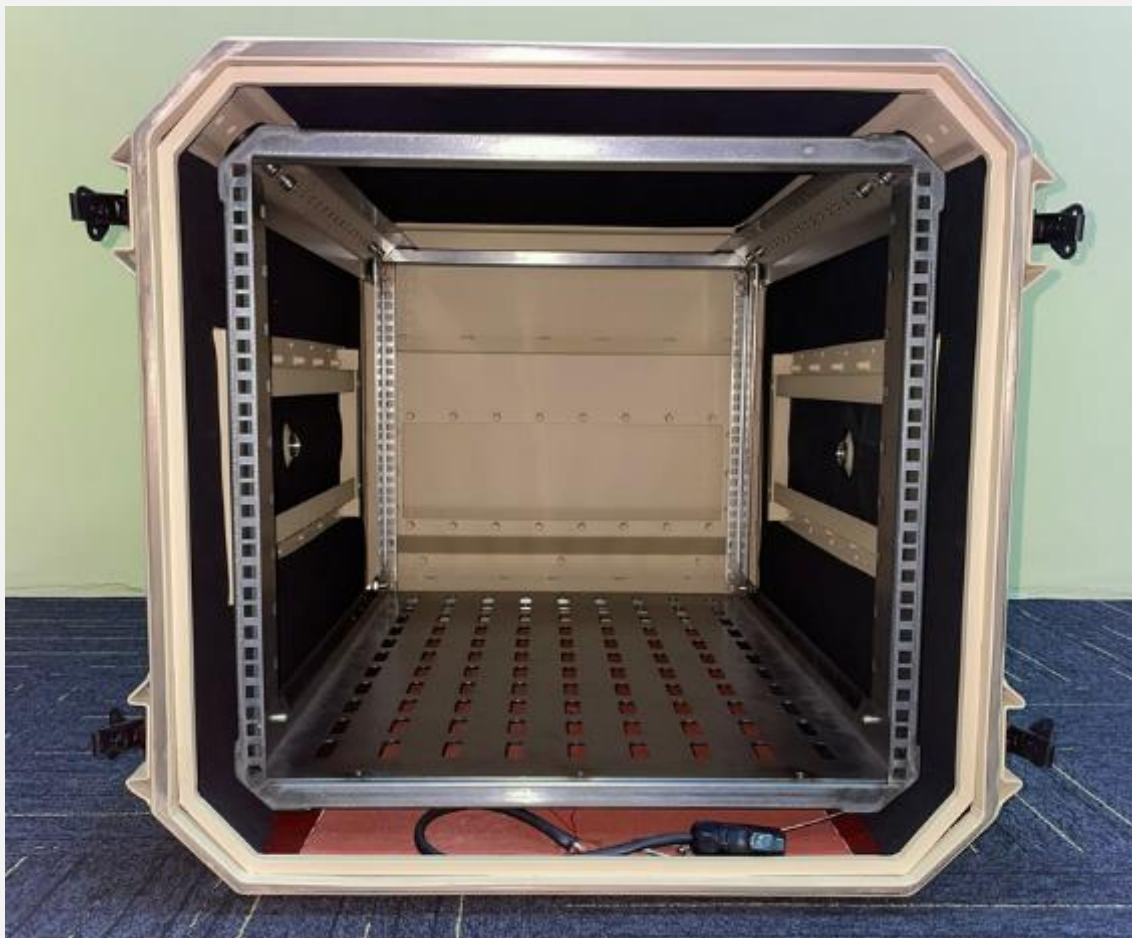
Main Features

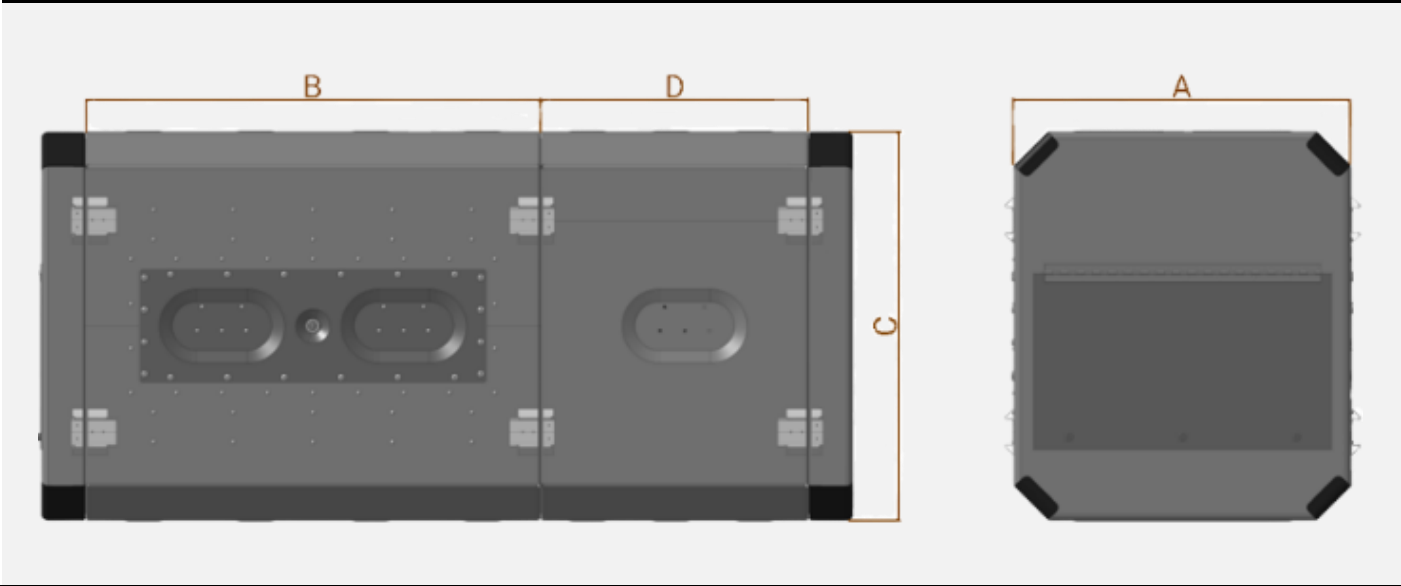
- ❖ All rack cabins can be fitted with accessories including stowage pouches, wheel kits, pressure relief valves.
- ❖ Heating available through low profile silicone heater mats having variable outputs (750W, 1500W)
- ❖ Multi-purpose portable rack cabin architecture that can be setup quickly and easily by one person

TECHNICAL LAYOUT

Part Number Description

A (Accessory) – C (Cabin) – P (Portable) – 20 (Product Class) – XX (U size) – XXX (Depth) – AC (Optional Air Conditioning) – E (Option EMI Protection) –WD (Optional Wheel Dolly)-XX(Paint)





Parameters		ACP20-XX-XXX-XX-XX-XX
COMMON FEATURES	Locking Mechanism	- Butterfly Latch
	External Paint	- Electrostatic Powder Coating
	IP Rating	- IP65
	Material	Main Body: Aluminum 5XXX and 6XXX Series
		Connection Part: Stainless Steel Fasteners: Stainless Steel
QUALIFICATIONS	EMI/EMC Shielding	- Available
	Temperature	MIL-STD-810G, Method 502.5 Procedure II – Operational, -32°C
		MIL-STD-810G, Method 501.5 Procedure II – Operational, +50°C
		MIL-STD-810G, Method 501.5 Procedure I – Storage; +70°C
		MIL-STD-810G, Method 502.5 Procedure I – Storage; -40°C
	Vibration	- MIL-STD-810G, Method 514.6 Procedure I (Carrying Case)
	Shock	- MIL-STD-810G, Method 516.6 Procedure I (Carrying Case)
	Rain	- MIL-STD-810G, Method 506.5 Procedure I – Rain

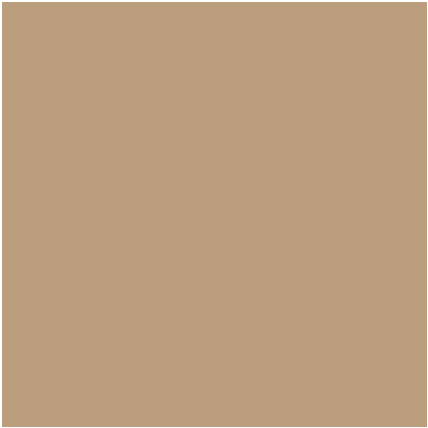
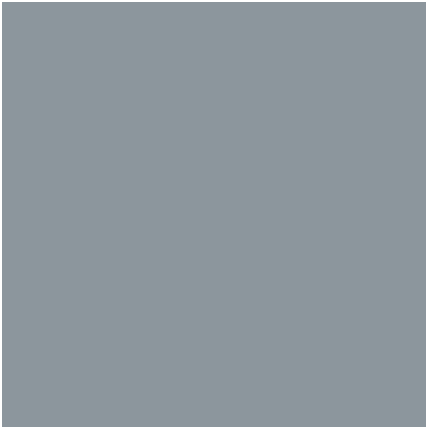
A (Accessory) – C (Cabin) – P (Portable) – 20 (Product Class) – XX (U size) – XXX (Depth) – AC (Optional Air Conditioning) – E (Optional EMI Protection) –WD (Optional Wheel Dolly) -XX(Paint)

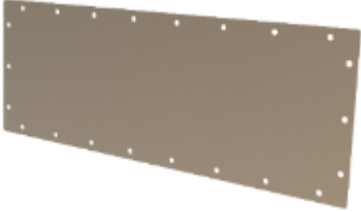
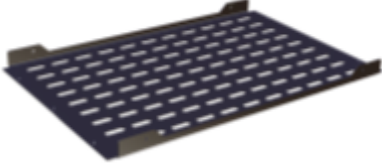
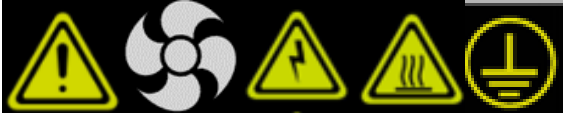
Example Configuration

- ACP20-10-610-AC-E-WD-DT
Portable Cabin, Size 10U, Chassis Depth 610mm, Air Conditioned, EMI/EMC Shielded, Wheel Dolly, Desert Tan Color
- ACP20-12-740-E
Portable Cabin, Size 12U, Chassis Depth 740mm, EMI/EMC Shielded

	Part Number	Width (A)	Depth (B)	Height (C)	Chassis Depth	U Size
ACCESSORY CABIN PORTABLE	ACP20-08-610	594	844	512	610	8
	ACP20-08-740	594	974	512	740	8
	ACP20-08-870	594	1104	512	870	8
	ACP20-10-610	594	844	601	610	10
	ACP20-10-740	594	974	601	740	10
	ACP20-10-870	594	1104	601	870	10
	ACP20-12-610	594	844	690	610	12
	ACP20-12-740	594	974	690	740	12
	ACP20-12-870	594	1104	690	870	12
	ACP20-15-610	594	844	780	610	15
	ACP20-15-740	594	974	780	740	15
	ACP20-15-870	594	1104	780	870	15
	ACP20-18-610	594	844	860	610	18
	ACP20-18-740	594	974	860	740	18
	ACP20-18-870	594	1104	860	870	18

	Air Conditioning	Width (A)	Depth (D)	Height (C)	U Size
AC UNIT	VCC20-08	594	510	512	8
	VCC20-10	594	510	601	10
	VCC20-12	594	510	690	12
	VCC20-15	594	510	780	15
	VCC20-18	594	510	860	18

	PAINT		
RAL NUMBERS	DESERT TAN (DT) FED-STD-595 33446	CAMO GREEN (MG) FED-STD-595 34094	GRAY (G) RAL 7001 (PA07)
			

	PART NUMBER	DESCRIPTIVE PHOTO
ACCESSORIES	Mechanical Connection Set 40 pcs M6 Bolt, Plastic Washer, Cage Nut PN: ACP20-A01	
	4 Wheel Dolly - Payload Capacity: 300kg PN: ACP20-A02-XXX - Method 507.5, 509.5 Not Included - XXX: For 610/740/870 mm	
	Silicon Heater Matt Heating Capacity: 1500 Watt PN: ACP20-A03	
	Connector Panel - XX: U Size - EMI/EMC Filter Option - With Fasteners - Not Painted PN: ACP20-A04-(E/NA)	
	Support Shelf - Stainless Steel - Payload Capacity: 50 kg PN: ACP20-A05	
	Labels PN: ACP20-A06-XX XX: Code should be selected from Appropriate Labels Table Below	
	EMI Gasket PN: ACP20-A07-XX XX: Height for ACP Unit (8U-10U etc.)	

