

AresX™ Jamming System

Waterproof High Power Jammers



AresX™ High power jamming system HK-P5L is developed specially for prisons and other large, sensitive facilities, such as military installations and government compounds.

HK-P5L is constructed inside a special metal enclosure, incorporating an efficient “smart active” cooling system with incoming air filters, which enables the system to operate 365 days/24 Hours/7 days continuously even in hot weather. Its secure design ensures that the prison inmates and unauthorized prison personnel cannot tamper with the safe and continuous operation of the system.

Features & Advantages

Each unit can jam up to five frequency bands simultaneously.

For the cellular phone jamming, only making the interference to the downlink bands, never to the uplink and make sure BTS normal running.

Special waterproof and solid housing for all weather protection.

Continuous operation, even in hot climates, with no time limit.

Heat sink designing combing with the fans to make system in a cooling status.

Secure design to avoid sabotage.

(VSWR) circuit protection to ensure system will not burn out in a use of antenna short circuiting or disconnection.

Antenna type options, directional or omni-directional antennas option.

Selection of antennas to provide more flexibility regarding jamming coverage.

UPS and battery backup in case of mains power failure.

It can be used in oil and gas storage facilities and field, security service, military units, secret service, museums, border patrol and drug enforcement, customs, etc.

SPECIFICATION

MODEL	HK-P5L Triple Band	HK-P5L Four Band	HK-P5L Five Band
Number of Frequency Bands	3	4	5
All Frequency Up to 5 Bands can be chosen - Cellphone Standard	CDMA450 (460-470MHz); CDMA800/GSM850 (851-894MHz) ; iDEN (869-894MHz) GSM900 (925-960MHz); DCS/GSM1800 (1805-1880MHz); PCS/GSM1900 (1930-1990MHz) 4G/LTE700 (American) ; 4G/LTE800 (Europe); 4G/LTE 2.6GHz, 4G/LTD 2.3GHz		
All Frequency Up to 5 Bands can be chosen - Computer Communication Standard	Wlan; 2.4GHz; WiFi; Bluetooth		
All Frequency Up to 5 Bands can be chosen - Satellite Communication System	GlobalStar; GPS; Thuraya (1520-1580MHz)		
Output Power (Watt)	up to 15watt/band		

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MODEL	HK-P5L Triple Band	HK-P5L Four Band	HK-P5L Five Band
Total Power (Watt)	Max: 45watt	Max: 60watt	Max: 75watt
Power Consumption	Max: 300VA	Max: 350VA	Max: 350VA
Power Supply Voltage	230VAC/110VAC 24-27VDC		
Housing	Metal enclosure		
Device Size	500*375*235mm		
Total System Weight (with Antennae)	Approx.: 18kgs	Approx. : 18kgs	Approx.: 20kgs
Humidity	5% ~ 80%		
Operational Temperature	-40°C ~ 65°C		
Cooling System	Active smart with integrated incoming air filter		
Waterproof Level	IP55		
Antennae Type	Directional Antennae (Omni directional antennae optional)		
Antenna Gain	Directional Antennae up to 15dBi, Omni directional antennae up to 8dBi		
Directional Antennae Number (Max)	2	2	2

DIRECTIONAL ANTENNA SPECIFICATION

MODEL	HK5-18DT			
Frequency Range	450-470MHz	725-960MHz	725-960MHz	725-960MHz
	Single band	1850-1990MHz	1520-2200MHz	2300-2700MHz
		Dual-band		
Input Impedance	50 [Ω]			
VSWR	≤ 1.5			
(3dB) HPBW	65° H-plane 7°E-plane			
Maximum Power	500watt			
Gain	5dBi	12-15dBi	15-18dBi	15-18dBi
F/B	>25dB			
Isolate	>28dB			
PIM	≤107dB			
Cross Polarization	>15dB			
Polarization	Vertical Polarization			
Connector Type	N-K			
Lighting Protection	Direct ground			
Wind Velocity	200 (km/h)			
Weight	11kgs			
Dimension	125*290*90mm			
Hold Pole Diameter	∅50 ~ ∅ 100mm			

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Directional Antenna



Omni Antenna



OMNI ANTENNA SPECIFICATION

MODEL	HK3-120N			
Frequency Range	450-470MHz	725-960MHz	1520-2200MHz	2300-2700MHz
Input Impedance	50 [Ω]			
VSWR	≤ 1.5			
(3dB) HPBW	35°E-plane			
Maximum Power	150watt			
Gain	3dBi	5dBi	7-10dBi	10-12dBi
Polarization	Vertical Polarization			
Connector Type	N-K			
Lighting Protection	Direct ground			
Wind Velocity	200 (km/h)			
Length	1100-1300cm	650-950cm	650-1800cm	650-950cm
Hold Pole Diameter	$\varnothing 33 \sim \varnothing 36\text{mm}$			