Wireless Power Box

PB24L24 / L58 / L900

Videolarm's IP Ready™ Wireless Power Boxes provide a solution for difficult-to-wire remote and isolated areas. Each system includes 96va power supply, designed for either 230Vac or 115Vac input with 24Vac output. Compatible with leading network camera manufacturers, the PB24L24, PB24L58, and PB24L900 protect you from costly installations while providing you with the benefits of network video with the functionality and freedom of wireless connectivity. Ideal for Parking Lot Security, Fire/Police/Rescue, Schools, Traffic, and Border Patrol applications.

KEY FEATURES

- **Solution for difficult-to-wire, rapid deployment or isolated applications**

- **Save from costly installations and benefit from the freedom of wireless and the flexibility of network video.**

- **Four transmitting models: 2.4GHz (WiFi bg), 5.8GHz (WiFi a), and 900 MHz**

- **Includes omni-directional antenna: 2.4GHz and 900MHz models. 5.8GHz model comes standard with both an omni-directional and directional antenna.**

- **Power box provides 4 amps of power at 24Vac and connects directly to wall mounts of Videolarm RHW and FDW series**

Videolarm
Creating tomorrow's security, today.

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PB24L24/L58/L900

Three Models: 2.4GHz, 5.8GHz and 900MHz

2.4 GHz Model (Wi-Fi BG):

PB24L24: A rugged outdoor wireless box, with a 220/110vac input and 24vac output for camera, fuse protected. With a wireless 2.4GHz access point. Omni directional antenna. Transmission distance Line-of-Site 2,000ft. Optional directional antenna(s): 2 miles (1 ant.) 4 miles (2 ant.).

5.8 GHz Model (Wi-Fi A):

PB24L58: A rugged outdoor power box, with a 220/110vac input and 24vac output for camera, fuse protected. System includes additional outdoor 5.8GHz wireless box that connects directly to power box. System includes both a built-in Directional and Omni-Directional Antenna (software provided to select antenna preference) Omni-Directional Antenna transmission distance (with line-of-site): 2,000ft. Directional Antenna transmission distance (with line-of-site): 2 miles (1 ant.) 8 miles (2 ant.). The PB24L58 automatically connects with today's leading wireless mesh systems:.

900 MHz Model (Non-Line-of-Site Applications):

PB24L900: A rugged outdoor wireless box, with a 220/110vac input and 24vac output for camera, fuse protected. With a wireless 900MHz transmitter and matching receiver. Omni directional antennas. 900MHz signal penetrates trees and foliage. Trans-mission distance Non Line-of-Site 1 mile. Optional directional antenna(s): 4 miles (1 ant.) 8 miles (2 ant.).

Line-of-Site & the Fresnel Zone

When constructing an effective wireless system, two leading factors to take into account are your surveillance areas Line of Sight and Fresnel Zone. These two visual path indicators will help direct you in both the selection of the ideal transmitting frequency hardware to obtain and the layout of your wireless system.

| Building | 5.8GHz | 2.4GHz | 900MHz | Building |
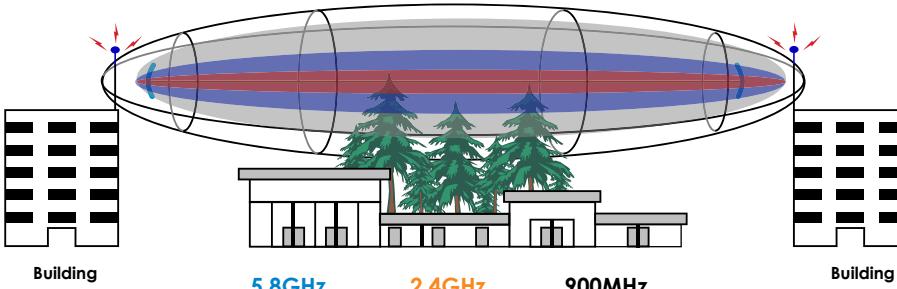
Optional Components and Accessories:

VDA9/24
Antenna for 2.4GHz PB24L24

VDA11
Antenna for 900MHz

PBCP
PB24 Power Box Cover Plate
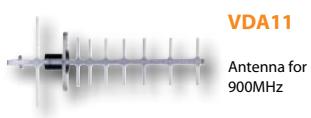
Mechanical Specifications

Size:	Power Box:	2.3" x 8.7" x 5.7" (54.4 x 221 x 144mm)
	5.8GHz Box:	3" x 8" x 11.5" (76.2 x 203.2 x 292.1mm)
Weight:	Power Box:	3 lbs. / 1.4Kg
	5.8GHz Box:	3.3 lbs. / 1.5Kg

Electrical Specifications   Power Box

| Power: | 24vac, 10 watts (va) |

Environmental Specifications

| Operating Temperature: | -5° F to + 140° F (-40° C to + 50° C) |

Network Specifications   *2.4GHz*   PB24L24

Standard:	802.11b/g(Wireless), 802.3(10BaseT), 802.3u(100BaseT)
Data Transfer Rate:	54Mbps(Wireless),100Mbps(Ethernet)
Transmission:	Point to Point Point to Multi-Point (with optional directional antenna)
Security:	64 bit/ 128 bit WEP, WPA, WPA2, port filtering, IP filtering, MAC filtering, port forwarding and DMZ hosting
WLAN Broadband Router:	Complies with IEEE 802.11b/g standard for 2.4GHz Wireless LAN
Supports:	Bridging, routing, VPN, WISP functions between wireless and wired Ethernet interfaces, (IAPP), (WDS), Supports DHCP server/client, static and dynamic IP routing, firewall security with port filtering, IP filtering, MAC filtering, port forwarding, trigger port and DMZ hosting functions, WEB based management and configuration, UPnP, Dynamic DNS service, NTP client service., IPSEC tunnel encryption(3DES AES128) and authentication (MD5/SHA1), WISP (Wireless ISP), Supports Bandwidth control by IP or MAC
Output power:	16mW to 400mW (12dBm to 26dBm)

Network Specifications   *5.8GHz*   PB24L58

Standard:	802.11a(Wireless),
Data Transfer Rate:	54Mbps(Wireless), 100Mbps(Ethernet)
Power:	POE 12vdc
Transmission:	Point to Point Point to Multi-Point
Security:	64 bit/ 128 bit WEP, WPA, WPA2, port filtering, IP filtering, MAC filtering, port forwarding
WLAN Broadband Router:	Complies with IEEE 802.11a standard for 5.8GHz Wireless LAN

Network Specifications   *900Mhz*   PB24L900

Data Transfer Rate:	935 kbps(Wireless)
Transmission:	Point to Point
Security:	128-bit encryption provides secure data transfer. Every transmitter and receiver are matched pairs.
Radio channels:	12 Non-overlapping
Frequency select:	Automatic or manual

Certifications and Ratings

RoHS   RoHS COMPLIANT   WEEE

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