

DH-PFWB5-30ac

V-Radio Outdoor 11ac 5G Wireless Bridge (CPE)



Series Overview

DH-PFWB5 series is a line of PTP and PTMP base stations and customer premises equipment dedicated to last-mile and video surveillance applications. It offers a wide variety of devices ideal for Internet service providers and operators to run their networks using unlicensed bands. The powerful software platform with a proprietary communication protocol ensures smooth performance even in the most congested environments. The professional-grade integrated hardware design allows for quick return on investment and minimizes operational costs.

Functions

TDMA Enhancement

Adopts TDMA (Time Division Multiple Access) technology to stabilize video transmission bandwidth, and to locate wireless transmission hidden nodes.

Wide Operating Temperature (-30 °C to +70 °C)

Supports working at ambient temperatures of -30 °C to +70 °C, and has built-in professional lightning-proof circuits that effectively reduce the impact of thunderstorms on network systems and improve system robustness, allowing the device to adapt to harsh environments.

Enhanced Antenna

Features enhanced antenna gain for the stable transmission of wireless signals over long distances, and it has strong anti-interference capabilities.

Minimal WEB

Designed with a minimalist graphical WEB, easy to operate, which improves configuration efficiency.

• Strong signal: With its enhanced antenna, the point-to-point transmission distance reaches up to 3 km. Wide operating temperature: –30 °C to +70 °C (–22 °F to +158 °F). Easy installation: Supports multiple installation methods such as wall mount and pole mount. High protection: IP65 rated, it is suitable for outdoor scenes and withstands severe weather. Strong broadband: The bandwidth can reach up to 867 Mbps, ensuring there is no delay in transmission.







MU-MIMO

This advanced technology allows multiple users to communicate through one single access point, which vastly improves wireless throughput.

Scene

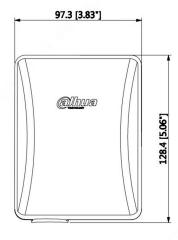
Suitable for internet access, video surveillance and use in rural areas.

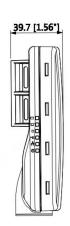
Technical Specification			
Hardware			
Sold in Pairs	Yes		
Function Slots	1 × RJ-45 10/100/1000 Base-T		
Power Supply	100 – 240 VAC		
Power Consumption	Full load: 10 W		
Memory	DDR 64 MB		
Indicator Light	1 × PWR light 1 × LAN light 4 × RSSI LEDS		
Performance			
Wireless Standard	5 GHz: 802.11a/n/ac		
Operating Frequency	5.150 – 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz)		
Wireless Transmission Rate	802.11 ac@40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps; 802.11 ac@80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps		
Channel Width	5/10/20/40/80 MHz		
Max. Output Power	CE EIRP: <23 dBm@5150-5250 MHz; <23 dBm@5250-5350 MHz; <27 dBm@5470-5725 MHz; <14 dBm@5725-5850 MHz FCC output power: <24 dBm@5150-5250 MHz; <24 dBm@5250-5350 MHz; <24 dBm@5250-5350 MHz; <30 dBm@5725-5850 MHz		
Antenna Direction Angle	Horizontal: 35°, vertical: 35°		
Transmission Distance	3000 m (9842.52 ft)		
PoE	PoE In: 24 V/0.5 A PoE Out: NA		
Function			
Operating Mode	AP (WDS)/WAP (TDMA2)/WAP(TDMA3)/Station (WDS/ TDMA2/TDMA3)/Wireless client (ARPNAT)		
Equipment Management	WEB		
Encryption Mode	WPA/WPA2-Personal; WPA/WPA2-Enterprise		
Security Mechanism	ACL; user isolation		
OFDMA	Yes		
MU-MIMO	2 × 2		
DFS	Yes		
DHCP	Yes		
Firmware Update	Web update		
Software	DHCP server; SNMP server; NTP client; router advertisement daemon; ping watchdog		
General			

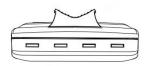
Operating Humidity	0%–90% (RH), non-condensing	
Net Weight	0.2 kg (0.44 lb)	
Gross Weight	0.4 kg (0.88 lb)	
Product Dimensions	130 mm \times 97 mm \times 37 mm (5.11 \times 3.81 \times 1.45) (L \times W \times H)	
Packaging Dimensions	174 mm × 135 mm × 80 mm (6.85 × 5.31 × 3.14)(L × W × H)	
Protection	IP65	
Installation	Bracket mount	
Certifications	CE; FCC	
Packing List	1 × Device; 2 × Dowel Pin; 1 × Pole Mount Bracket; 1 × Power Cord; 1 × 24 V PoE Power Adapter; 1 × Quick Start Guide	

Ordering Information			
Туре	Model	Description	
Wireless Transmission Device	DH-PFWB5-30ac	V-Radio Outdoor 11ac 5G Wireless Bridge (CPE)	

Dimensions (mm[inch])







Operating Temperature $-30~^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$ (–22 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F})$ $-40~^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$ (–40 $^{\circ}\text{F}$ to +185 $^{\circ}\text{F})$ Storage Temperature

Rev 002.000