DH-PFWB5-10n

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

- Strong signal: With its enhanced antenna, the point-to-point transmission distance reaches up to 5 km (16,404.20 ft).
- 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.

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.

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: 4.5 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 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Channel Width	5/10/20/40 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@5470-5725 MHz; ≤30 dBm@5725-5850 MHz
Antenna Direction Angle	Horizontal: 10°, vertical: 10°
Transmission Distance	5000 m (16404.20 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

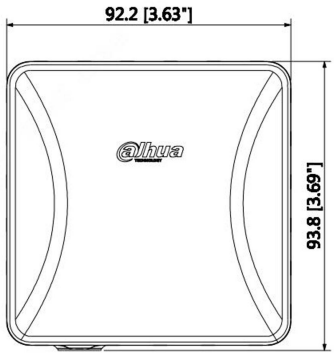
General

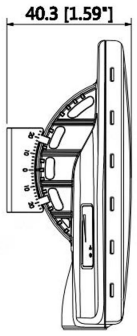
Operating Temperature	–30 °C to +70 °C (–22 °F to +158 °F)
Storage Temperature	–40 °C to +85 °C (–40 °F to +185 °F)
Operating Humidity	5%–95%(RH), non-condensing
Net Weight	0.4 kg (0.88 lb)
Gross Weight	0.7 kg (1.54 lb)
Product Dimensions	185 mm × 185 mm × 65 mm (7.28 × 7.28 × 2.55) (L × W × H)
Packaging Dimensions	200 mm × 196 mm × 94 mm (7.87 × 7.71 × 3.70) (L × W × H)
Protection	IP66
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

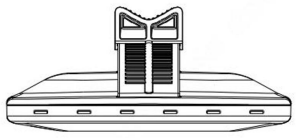
Ordering Information

Type	Model	Description
Wireless Transmission Device	DH-PFWB5-10n	V-Radio Outdoor 11n 5G Wireless Bridge (CPE)

Dimensions (mm[inch])







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