

# DH-WB2-60N-I

## Elevator wireless bridge



- On-screen display.
- One-press pairing.
- Spectrum analysis helps you choose the optimal channel.
- Passive PoE Power Supply.



### Series Overview

Elevator Wireless Bridge is specially designed to transmit wireless data, such as HD videos, in elevators. It adopts IEEE 802.11n technology and works in the 2.4 GHz frequency band, giving it a wireless data transmission rate of up to 300 Mbps. The two built-in 6 dBi high-gain directional antennas produce strong signals and have a wide coverage. Highly reliable, the wireless bridge supports OSD (On-screen Display) and one-press pairing, making it easy to install and a great choice for video surveillance in elevators.

### Functions

#### On-screen Display (OSD)

With its built-in digital panel meter, 2 buttons and 1 DIP switch, you can quickly configure roles and channels.

#### One-press Pairing

Press the reset button for just 1 second to quickly pair the device, eliminating the need to perform configurations.

#### Spectrum Analysis

Provides Radio Spectrum Analysis during deployment to help you choose the optimal channel.

#### Passive PoE Power Supply

The PoE adapter that comes with the device converts the power supplied by the standard power supply to 24 VDC, and has a transmission distance of 80 meters.

### Scene

Suitable for use with video surveillance backhaul applications in elevator scenes.

### Technical Specification

#### Hardware

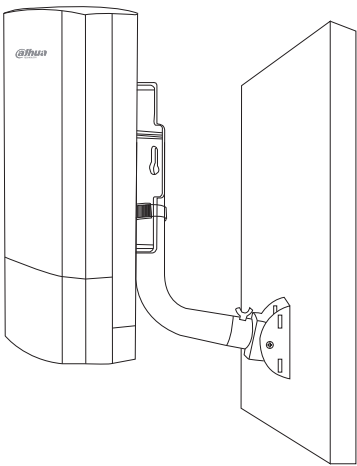
|                   |                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------|
| Function Slots    | 2                                                                                                  |
| Power Supply      | Passive PoE                                                                                        |
| Power Consumption | 5 W                                                                                                |
| WAN Port          | 1 × 10/100 Mbps RJ-45 port                                                                         |
| Indicator Light   | 1 × system indicator;<br>1 × WAN port indicator;<br>1 × LAN port indicator;<br>1 × Wi-Fi indicator |
| External Port     | 1 × LAN port (RJ-45);<br>1 × WAN port (RJ-45)                                                      |
| Wireless Standard | IEEE802.11b/g/n                                                                                    |

#### Performance

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Operating Frequency             | 2.412 GHz~2.484 GHz                   |
| Terminal Communication Protocol | TCP/IP protocol                       |
| Air Interface Rate              | 300 Mbps                              |
| Max. Output Power               | 20 dBm ± 2 dBm                        |
| Antenna                         | Built-in antenna                      |
| Antenna Gain                    | 8 dBi                                 |
| Antenna Direction Angle         | Horizontal: 60°; vertical: 60°        |
| Polarization                    | Horizontal/vertical dual polarization |
| Cross-polarization Isolation    | 23 dBi                                |
| Max. VSWR                       | <1.5                                  |
| Transmission Distance           | 1 km (3280.84 ft)                     |
| Optimal Transmission Distance   | 300 m (984.25 ft)                     |
| Network Mode                    | Bridge mode                           |

|                          |                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Mode           | Access point mode; repeater mode                                                                                                                       |
| Channel                  | 1–13                                                                                                                                                   |
| Device Type              | 802.11b/g/n                                                                                                                                            |
| Channel Width            | 20 MHz; 40 MHz                                                                                                                                         |
| Standard TX Power        | 20 dBm                                                                                                                                                 |
| Protection               | IP65                                                                                                                                                   |
| Function                 |                                                                                                                                                        |
| WAN Port Connection Mode | Ethernet port                                                                                                                                          |
| Encryption Mode          | WPA2                                                                                                                                                   |
| Management and Log       | AC; Syslog; NTP; Telnet                                                                                                                                |
| Firmware Update          | Web update                                                                                                                                             |
| Wireless Certification   | WPA2                                                                                                                                                   |
| Security Mechanism       | Password                                                                                                                                               |
| Network Protocol         | UDP; HTTPS; IPv4; DNS; TCP/IP; HTTP; NTP                                                                                                               |
| General                  |                                                                                                                                                        |
| Operating Temperature    | −30 °C to +55 °C (−22 °F to +131 °F)                                                                                                                   |
| Storage Temperature      | −40 °C to +70 °C (−40 °F to +158 °F)                                                                                                                   |
| Operating Humidity       | 5%–95% (RH)                                                                                                                                            |
| Gross Weight             | 1.33 kg (2.9 lb)                                                                                                                                       |
| Net Weight               | 0.72 kg (1.6 lb)                                                                                                                                       |
| Packaging Dimensions     | 274 mm × 228 mm × 78 mm (10.79" × 8.98" × 3.07")                                                                                                       |
| Product Dimensions       | 168.0 mm × 88.0 mm × 57.6 mm (6.61" × 3.46" × 2.27")                                                                                                   |
| Memory                   | 64 MB                                                                                                                                                  |
| Statics Protection       | ±6 kV                                                                                                                                                  |
| Lighting Protection      | ±2 kV                                                                                                                                                  |
| Installation             | Pole mount                                                                                                                                             |
| Packing List             | 2 × Devices<br>2 × PoE adapters<br>2 × Power cables<br>2 × Twisted pair cables<br>2 × Hose Clamp<br>1 × User manual<br>1 × Laws and regulations manual |

Installation



Dimensions (mm [inch])

