

15dBi 5km Wireless Network Bridge

57MM-WB02

The 57MM-WB02 is an 802.11ac 15dBi wireless bridge for video surveillance backhaul or remote wireless transmissions. Applications include farms and rural property, tower cranes, factories, campuses and construction sites where you need to create a high-speed wireless link for data connectivity with minimal installation time and configuration. The WB02 is capable of sending and receiving distances up to 5km.

Features and Benefits

- » 5GHz single-band dual-stream chip with 867Mbps wireless transmit rate up to 5km range
- » One-click setup and management via the free cloud app
- » PTMP supported bridging (Example: one recorder, multiple cameras)
- » High durability: IP54 rating provides dust, water and heat protection for outdoor environments
- » Power supply redundancy support (12V and 24V)
- » Can be wall or pole mounted

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57MM-WB02 Specifications

Hardware specifications	
Chip	QCA9563+QCA9886
RAM/ Flash	512 MB/8 MB
Radio	Dual-stream single-band 2x2
Operating Band	802.11a/n/ac: 5.150-5.350GHz, 5.470-5.725GHz , 5.725-5.850GHz (country specific)
Antenna	Directional antennas, horizontal: 31°, vertical: 14°, gain: 15 dBi
Bridging Distance	5 km (recommended)
Spatial Streams	2
Maximum Throughput	Up to 867 Mbps at 5 GHz
Transmit Power	≤100 Mw(20 dBm) (adjustable)
Dimensions	230 mm(D)x132 mm(W)x48 mm(H) (Dimensions per device) (Same size for the recorder-end and camera-end, H: height of the device edge excluding the mounting kits)
Weight	0.6kg
Ports	Two 10/100/1000Base-T Ethernet ports, supports 24 VDC non-standard PoE power supply One DC port, supports 12 VDC power supply
Hardware Button	1 reset button
Status Indicators	System indicator: 1 Port indicator: 2 Bridge signal strength indicators: 3
Power Supply	Support 12 VDC power supply and 24 VDC non-standard PoE power supply
Power Consumption	<9W
Environment	Operating temperature: -30°C-65°C Storage temperature: -40°C-85°C Operating humidity: 5%-95% (non-condensing) Storage humidity: 5%-95% (non-condensing)
Installation	Wall-mounted/ Pole-mounted (hose clamp is provided)
IP Rating	IP65
Lightning Protection	4KV
Radio Standard	EN300 328, EN301 893
Software Features	
Automatic Bridging	Support The recorder-end and camera-end are automatically paired for bridging by default
One-to-many Bridging	One-to-three bridging is recommended for the wireless coverage scope at an angle of 31° to the horizontal.
Device Configuration and Management	Support App/Web configuration
QR Code Login	Users can log in to the device configuration interface by scanning the QR code of the device using the app
Self-healing	Automatic restart upon equipment failure
Automatic Channel Adjustment	Automatically adjust the channel upon power-on