10dBi 1km Wireless Network Bridge
RG-EST310V2

The RG-EST310V2 is an 802.11ac 10dBi 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.

3-Year Manufacturer's Warranty

Refer to website for full terms & conditions

Features and Benefits

- 5GHz single-band dual-stream chip with transmit power ≤250mW
- 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

Hardware specifications	
Chip	QCA9531, QCA9886
RAM/ Flash	64MB/8MB
Radio	Dual-stream single-band 2x2
Operating Band	802.11a/n/ac: 5.725~5.850GHz
Antenna	Built-in directional antennas, horizontal: 60°, vertical: 30°, gain: 10dBi
Spatial Streams	2
Maximum Throughput	Up to 867Mbps at 5GHz
Transmit Power	≤250mW
Dimensions	147mm(D)x76mm(W)x37mm(H) (Dimensions per device) (Same size for the transmitter and receiver, H: height of the device excluding the mounting kits)
Weight	0.35kg
Ports	1 10/100Base-T Ethernet port, supports 24VDC non-standard PoE 1 DC port, supports 12VDC power supply
Hardware Button	1 reset button
Status Indicators	System indicator: 1 Port indicator: 1 Bridge signal strength indicators: 3
Power Supply	Support 12VDC power supply and 24VDC non-standard PoE
Power Consumption	<5W
Environment	Operating temperature: -30°C~50°C Storage temperature: -40°C~70°C Operating humidity: 5%~95% (non-condensing) Storage humidity: 5%~95% (non-condensing)
Installation	Wall-mounted/ Pole-mounted (straps provided)
IP Rating	IP54
Lightning Protection	4KV
Radio Standard	SRRC certification
Software Features	
Automatic Bridging	Support The recorder-end and camera-end are automatically paired for bridging by default
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