

FRONT



- 01** Power/Multi-Sync, RF Alert, BS Link, BS Active LEDs
- 02** Kensington lock hole on the bracket
- 03** Reserved (Multi-Sync connector)
- 04** Daisy-chain PoE Line1 connector (RJ45, PSE)
- 05** Daisy-chain PoE Line2 connector (RJ45, PSE)

BOTTOM



- 06** 100Mbps, PoE input (RJ45, PD)
- 07** 48VDC power input connector (4-pin Din)
- 08** Mounting element (Camera tripod threaded socket 3.8")
- 09** Mounting element (M6 hole)
- 10** Mounting element (Microphone stand mounting hole)

Genie Remote Antenna can be configured with Genie Base Station BS1000 or BS850 and it dramatically increases wireless coverage with additional Repeaters. Using a standard LAN network, you can easily integrate multiple studios or floors by deploying Remote Antenna and Repeater in each coverage. Remote Antenna RA100DW provides PoE(Power over Ethernet) In and Out ports for an efficient power supply. Automatic roaming is available between the Base Station, Remote Antennas and Repeaters connected in a system. Up to 6 Remote Antenna RA100DW or RA100 can be connected to a Base Station BS1000 and 10 Repeater RBS85, per each Remote Antenna which is exceptionally scalable. Up to 128 Wireless Beltpacks or Wireless Receivers, and 22 Ethernet Beltpacks or Key Panels or Repeater can be connected to a Remote Antenna. Each Base Station or Remote Antenna provides 10 additional Talk paths and unrestricted Listen paths. Therefore, one Base Station BS1000 with 6 Remote Antennas provide up to 70 Talk paths and unrestricted Listen paths for the wireless Beltpacks or other Genie IP devices. Remote Antenna is a highly scalable and efficient key product of Genie that delivers the best intercom communication experiences at various performance venues and large scale of events.

RA100DW is with an IP53 sealing case - IP65 sealing when fixing the power rubber cap with waterproof adhesive - and the antenna is mounted internally.

- ▶ Up to 6 RA100DW/RA100 connection per Genie BS1000 Base Station and 3, per Genie BS850 Base Station
- ▶ UP to 10 RBS85 Repeater connection per one Remote Antenna RA100DW/RA100
- ▶ Up to 128 Wireless Beltpack or Receiver connection per any wireless antenna of Base Station, Remote Antenna and Repeater
- ▶ Up to 22 IP Beltpack or Key Panel or Repeater connection per one Remote Antenna RA100DW/RA100
- ▶ 10 full-duplex Talk channels per Remote Antenna and 70 full-duplex Talk channels with a BS1000 and 6 Remote Antennas

RA100DW Specification

RF Frequency	Use 20Mhz channels within the 5GHz UNII band from 5180 - 5845MHz depending on regions
Antenna	Internal
RF Modulation	QPSK
Beltpack Connection per Remote Antenna	128 Wireless Beltpacks or Recievers can be connected. 10 Talk paths and 128 Listen paths are supported per Remote Antenna.
PoE Input	RJ-45 Connector, 100Mbps Standard PoE specification
PoE Line1, PoE Line2 (Daisy-chain)	Two RJ-45 Connectors, 100Mbps Standard PoE specification
Power Connector	M12 04pin (Female)
Power Supply	Consumption: 8 watts, 48-56VDC input, PoE input The external PSU provides 48VDC 2.5A and at its input takes 100-240VAC, 47-63Hz.
Operating Temperature	0°C to 50°C (32°F to 122°F)
Dimensions	7.48W x 1.96D x 7.87H inch (19W x 5D x 20H cm) without bracket
Weight	1.58 lb (720g)