

WA-0906, WB-0902

2.4GHz WIRELESS 802.11B/G CAMERA & BASE STATIONS



WIRELESS MADE SIMPLE

Responding to the growing demand for reliable high-speed wireless network connectivity, Dotworkz has designed a 2.4GHz wireless product for better performance, scalability and ease of use with existing IP cameras. It was designed for large coverage areas, fast installation and solid reliability. The Dotworkz Sidekick series 2.4GHz 802.11b/g is engineered to work with point-to-point or point-to-multipoint systems, transmitting high resolution, real-time video from IP network cameras directly to a Dotworkz Base Station unit or existing Access Point (AP).

Point-to-Multipoint Support

The Dotworkz Sidekick series can operate up to 5 high quality IP cameras on a single wireless network with one Dotworkz Sidekick series base station in a point-to-multipoint scenario, sustaining up to 20 fps per camera at a resolution of 640/480. Up to a 32Mbps of actual payload throughput in a single base station is achievable with this configuration.

Outdoor Rated Enclosure

Dotworkz Sidekick series 2.4GHz 802.11b/g comes with a NEMA-4 rated enclosure and internal power supply. Both Dotworkz Sidekick Series camera stations and base stations accept 100-260VAC input and come with CG or flex conduit outlets to accept incoming and outgoing power and data connections. External RF connectors for appropriate connection to external antenna(s) are also included.

Cost Effective

Compared to fiber, cable or trenching, this approach is a real cost saver, especially in labor. Let us show you how much you can save.

- 100% compatibility with all IP based cameras
- Ideal for existing IP PTZ and Fixed camera enclosures
- Line of Sight application
- 30 feet to 3 miles
- 802.11b/g 2.4GHz frequency
- Up to 54Mbps transfer rate
- Supports Point-to-Point and Point-to-Multipoint
- Connectivity to existing 802.11b/g access point
- Security encryption support: WEP, WPA, WPA2, MAC filtering
- WDS and AP repeater mode support



WB-0906 Camera Station with 12dBi directional Yagi antenna



WB-0902 Base Station with 8dBi omni-directional antenna

PHYSICAL

Interface	10/100BASE Ethernet LAN Port
Status LEDs	Power, LAN, WLAN 802.11b/g
RF Output	RP-TNC
Dimensions (H x W x D)	4.5" x 9.5" x 8.5" (11 x 24 x 21 cm)
Weight	8 lbs

RF INFORMATION

Frequency band	2.412 to 2.462GHz (US) 802.11b/g
Security Authentication	MAC Filtering, WEP, WPA, WPA2
Modulation Technology	802.11g: QFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b: DSSS (DBPK, DQPSK, CCK)
Operating Channels	11 for FCC
Receive Sensitivity	-91dBm @ 1Mbps -90Bm @ 2Mbps -89dBm @ 5Mbps -87Bm @ 6Mbps -84dBm @ 9Mbps -82Bm @ 11Mbps -79dBm @ 12Mbps -77Bm @ 18Mbps -75dBm @ 24Mbps -73Bm @ 36Mbps -70dBm @ 48Mbps -68Bm @ 54Mbps
Transmit Output Power	Up to 21dBm



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