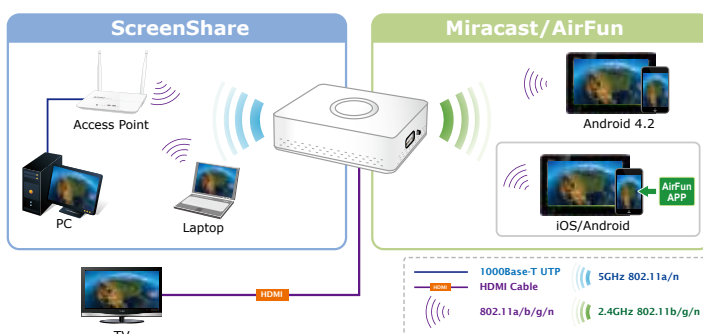# Wireless Display TV Adapter

Wirelessly Mirroring Whatever on Your TV

PLANET WTV-3000 is a Wireless Display TV Adapter adopting IEEE 802.11n technology to provide 300Mbps high speed wireless transmission. With a laptop / smart phone / tablet and PLANET WTV-3000 Wireless Display TV Adapter, you can sit back and experience your favorite movies, videos, photos, online shows and more in Full HD on your TV with great image clarity and sound, without having to connect your laptop / smart phone / tablet to the TV using HDMI or A/V cables.

Supporting Miracast, ScreenShare and Airfun Mode

The WTV-3000 supports the Wi-Fi-certified Miracast and Intel WiDi standard that simplify discovery and setup to enable you to easily mirror any content from a laptop / smart phone / tablet on your TV.
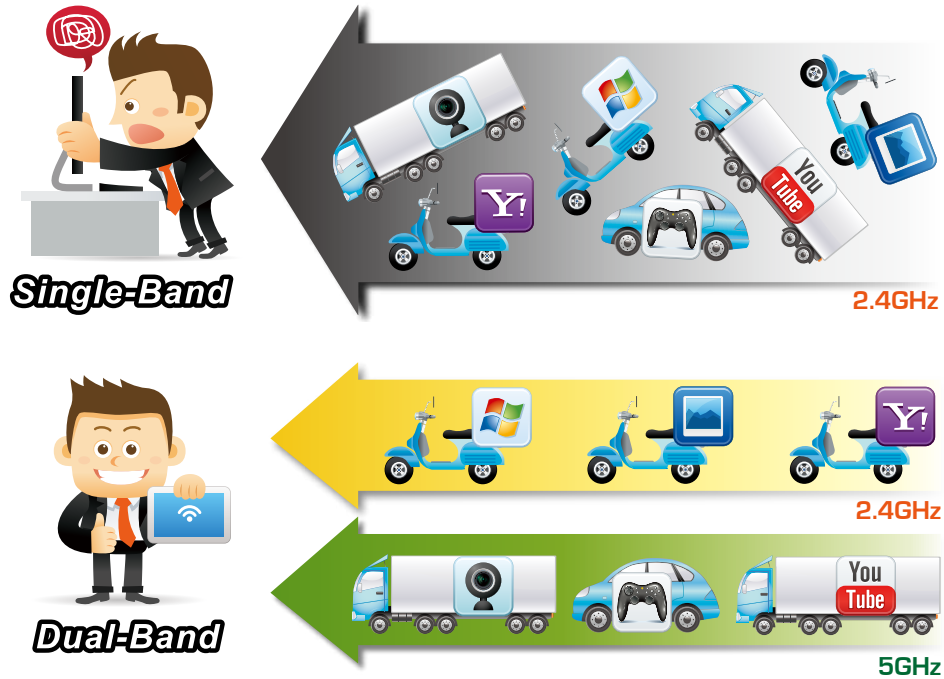

Hardware

- 2.4GHz / 5GHz dual band to get smooth wireless transmission
- HDMI output up to 1920 x 1080 resolution
- External USB storage port for video / music / picture playback
- Pocket size for easy placement and portability

Network and Configuration

- Near real-time 30fps network screen projection
- Play on-line games and watch internet video on your TV
- Enjoy the Blu-ray™ movies and internet video up to 1080p Full HD resolution on big screen TV
- Easily connect a PC to HDTV with Intel WiDi® technology
- Supports screen mirroring from your PC, smart phone , or tablet with Wi-Fi Miracast technology
- Easily share music, picture, or video from your PC, smart phone, or tablet to TV with AirFun Mode
- Compatible with Windows XP / Vista / Win7 / Win8, Mac and Linux

2.4GHz and 5GHz Dual-Band Wi-Fi Transmission

Since there are more and more wireless applications and electric devices using the radio frequency of 2.4GHz, the wireless channel of 2.4GHz has been already too crowded for clients to enjoy the high-speed wireless connection. In order to avoid the wireless interference between each other, the WTV-3000 provides users with the radio frequency of 5GHz for watching HD videos or playing online games additionally. At the same time, it enables other users to surf the Internet via the original radio frequency of 2.4GHz.

Single-Band

2.4GHz

Dual-Band

2.4GHz

5GHz

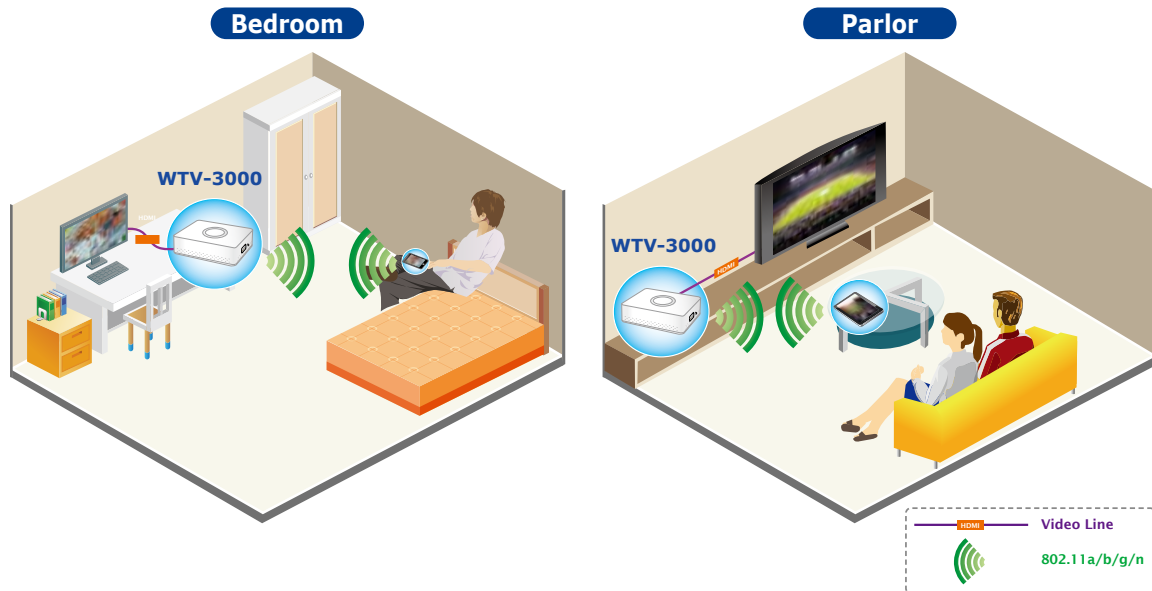## Convenient nano-design blends in nicely with any surrounding

With dimensions of 85 x 65 x 16 mm only, the WTV-3000 features a super compact and sleek design that blends in nicely with any surrounding at home or office.

Applications

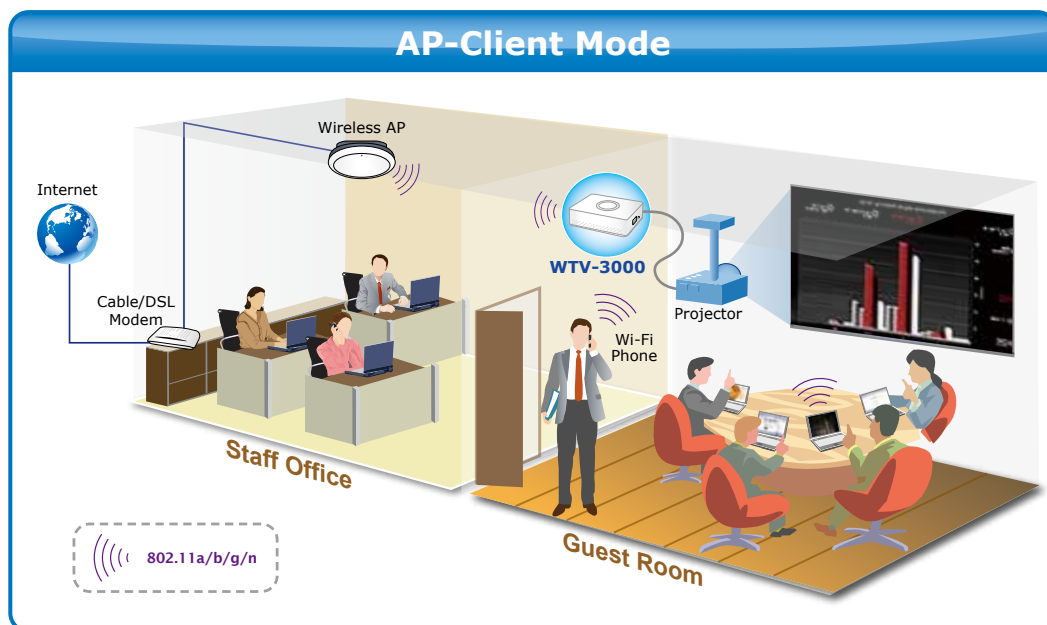## Home Application

With PLANET WTV-3000, parents and children can easily watch contents of their PC, laptop or smartphone on their TVs in their homes.

Office Application

The AP Client Mode function helps the MIS integrate the WTV-3000 with the existing Access Point through Wi-Fi easily and quickly. The supervisors and staff are able to present their reports or presentations on the screen from their PC or laptop via PLANET WTV-3000 in a meeting.

Specifications

Model	WTV-3000
Hardware Platform	
Wi-Fi	2.4GHz / 5GHz Dual Band
Buttons	1 x Power button 1 x Reset button 1 x Switch button (AirFun / Miracast / ScreenShare)
LAN Interface	1 x 10/100 Mbps Ethernet port
USB Interface	1 x USB2.0 port for external storage
Video Interface	1 x HDMI output up to 1080P 1 x Audio/Video output
Power Interface	1 x Micro USB input
Wireless interface	
Standard	IEEE 802.11n Backward compatible with IEEE 802.11a/b/g
Antenna	Gain: 3dBi Dual Antenna (2T2R)
Operation Mode	Ad hoc, Infrastructure
Frequency Band	2.4G: 2.412-2.4835GHz 5G: 5.15-5.850GHz
Data Rate	802.11a: 6/9/12/24/36/48/54Mbps 802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/24/36/48/54Mbps 802.11n: up to 150Mbps

Channel	**2.4GHz:**
	    America / FCC: 2.412~2.462GHz (11 Channels)
	    Europe / ETSI: 2.412~2.472GHz (13 Channels)
	5GHz:
	    5.180-5.240GHz, 5.745-5.825GHz (Up to 19 channels)
	Note: The actual channels in application will vary on the regulation in different regions and countries.

Channel Width	20 / 40MHz

RF Transmission Power	**2.4GHz:**
	    802.11b: 17±1dBm
	    802.11g: 15.5±1.5dBm
	    802.11n: 14.5±1.5dBm
	5GHz:
	    802.11a: 13±1.0dBm
	    802.11n: 13±1.0dBm

Receive Sensitivity	**2.4GHz:**
	    802.11b (11Mbps): -91dBm
	    802.11g (54Mbps): -77dBm
	    802.11n 20M (MCS7): -70dBm
	    802.11n 40M (MCS7): -69dBm
	5GHz:
	    802.11a (54Mbps): -77dBm
	    802.11n 20M (MCS7): -70dBm
	    802.11n 40M (MCS7): -67dBm

Security	WEP (64/128-bit) WPA-PSK (TKIP) / WPA2-PSK (AES) WPA (TKIP) / WPA2 (AES)
Transmission Distance	Up to 180 meters in open space
Video & Audio Decoding	
Video	AVI / MPEG / 3GP / MOV / WMV / DVR-MS
Audio	MP3 / MP4 / LPCM / WMA / WAV / AAV / OGG
Photo	GIP / JPG / BMP / PNG
Network and Configuration	
Network Standard	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n (2T2R, up to 300Mbps) IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
System Requirements	Miracast mode: Android 4.2+ Intel WiDi mode: Win7/8

Environment	
Power Requirements	5V DC, 1A
Operating Temperature	0 ~ 50 degrees C
Operating Humidity	10 ~ 90% (non-condensing)
Weight	325g
Dimensions (W x D x H)	85 x 65 x 16 mm
Emission	CE, FCC

Ordering Information

WTV-3000-ETS	Wireless Display TV Adapter (ETSI)
WTV-3000-FCC	Wireless Display TV Adapter (FCC)

Related Products

ADN-4101	802.11n Wireless ADSL 2/2+ Router
ITB-3001	High Definition IP Set-Top Box
PL-510W	200M Powerline Wireless N Extender
WPG-130N	802.11n Pocket Presentation Gateway
WPG-210N	802.11n Wireless Presentation Gateway
WNAP-W2200	300Mbps 802.11n Wireless In-wall PoE Access Point

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WTV-3000