User's Guide





Megapixel Wireless N PTZ Internet Camera Megapixel Wireless N Day/Night PTZ Internet Camera

TV-IP672W/ TV-IP672WI

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Product Overview





TV-IP672W



Package Contents

In addition to your camera, the package includes:

- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Network cable (1.5m / 5ft)
- Power adapter (12V DC, 1.25A)

If any package contents are missing or damaged, please contact the retail store, online retailer, or reseller/distributor that the item was purchased.

Features

TV-IP672W

The Megapixel Wireless N PTZ Internet Camera, provides security over a large area. Pan the camera side-to-side a remarkable 340 degrees and tilt up-and-down 115 degrees from any Internet connection.

Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality. Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS).

Record 1280 x 800 Megapixel (WXGA) video at up to 30 frames per second (fps). Manage up to four video profiles to record HD video while streaming low resolution video to a compatible smart phone at the same time. Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include adjustable motion detection recording areas, email alerts, scheduled recording sessions, pan/tilt Auto-Patrol, H.264/MPEG-4/MJPEG image compression, date-and-time overlays, a Micro-SD card slot for backup storage, two-way audio (speakers not included), an adjustable lens, and four times digital zoom. A wall/ceiling mounting kit is included and the camera's off white housing blends into most environments.

TV-IP672WI

The Megapixel Wireless N Day/Night PTZ Internet Camera, model TV- IP672WI, provides day and night security over a large area. Pan the camera side-to-side a remarkable 340 degrees and tilt upand-down 115 degrees from any Internet connection.

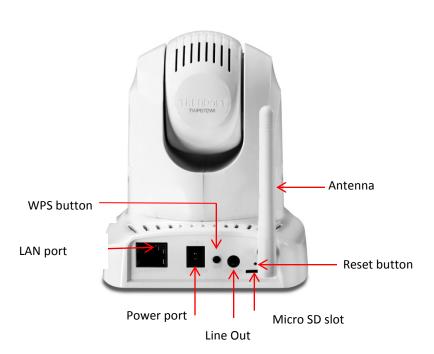
Record indoor video in complete darkness for distances of up to 7.5 meters. Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality. Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS).

Record 1280 x 800 Megapixel (WXGA) video at up to 30 frames per second (fps). Manage up to four video profiles to record HD video while streaming low resolution video to a compatible smart phone at the same time. Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include adjustable motion detection recording areas, email alerts, pan/tilt Auto-Patrol, scheduled recording sessions, H.264/MPEG-4/MJPEG image compression, date-and-time overlays, a Micro-SD card slot for backup storage, two-way audio (speakers not included), an adjustable lens, and four times digital zoom. A wall/ceiling mounting kit is included and the camera's off white housing blends into most environments.

TV-IP672W / TV-IP672WI

Product Hardware Features

Rear Panel View

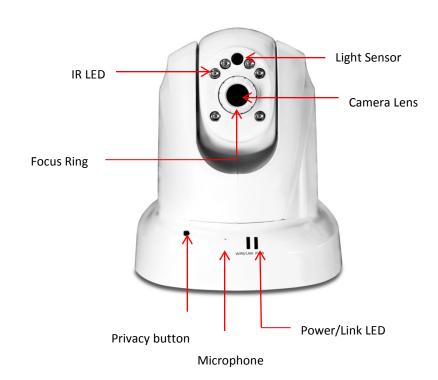


- LAN Port Connect Ethernet cables to your wired network devices.
- **Power Port** Connect the included power adapter from your camera to an available power outlet.

Note: Use only the adapter that came with your camera.

- Reset Button Use an item such as a paperclip to push and hold this button for 3 seconds and release to reset your camera to its factory defaults.
- WPS (Wi-Fi Protected Setup) Push and hold this button for 3 seconds to activate WPS. The button LED is blinking green when WPS is activated.
- Line Out Connect speaker to enable audio out
- Micro SD Lot Insert a Micro-SD card to store camera video files.
- Antenna 2dBi detachable antenna

Front Panel View



- IR LED Built-in 6 IR LED for night vision uses. (for TV-IP672WI)
- Light Sensor Detects the light source to turn IR on or off.
- Focus Ring Turn to adjust the focus of the camera.
- Microphone Built-in microphone for audio can be turn on or off.
- **Privacy button** Turns the camera on/off when necessary.
- **Power** This LED indicator is solid blue when your camera is powered on. Otherwise if this LED indicator is off, there is no power to your camera.
- Link This LED indicator is blinking orange when there is connection/data to your camera.

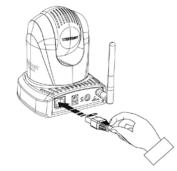
TV-IP672W / TV-IP672WI

Installation

Wired Connection

1. Connect the Ethernet Cable

If you intend to use the network camera as a wired device, connect one end of the included Ethernet cable into the **Ethernet** port on the rear panel of the camera and connect the other end to an available port on your network. If you prefer to use the camera on a wireless network, see below for instructions on connecting the power adapter.



2. Attach the Power Supply

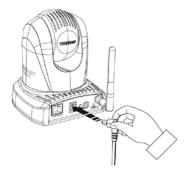
Attach the included power supply to the **DC 12V 1.25A** receptor on the rear panel of the camera and then connect it to a wall outlet or power strip. A blue LED will light up under the lens indicating that the camera has power.



WPS Connection

An alternative method of connecting your camera to your network is by using WPS. WPS is a quick, simple and secure method of adding devices to a network. If you have a router which supports WPS follow the steps below, otherwise, please use the wired mode of setting up the camera.

1. Attach the Power Supply



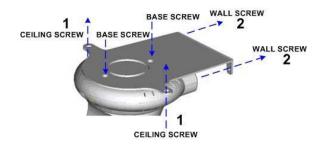
2. Press the WPS button on your wireless device then press the WPS button on the camera.



Wall mount installation

To attach the metal plates carry out the following:

- Remove the two rubber pads under the base of the Camera.
- Slide the metal plate onto the base of the camera, making sure that the two holes on the base of the camera align with the two screw holes on the base of the camera.
- Secure the metal plate to the base of the Camera with the two screws provided.
- The camera can now be mounted to the ceiling or a wall. See the diagram below for more information.



TV-IP672W / TV-IP672WI

Starting the Setup Wizard

Insert the included CD-ROM into your CD/DVD drive. The Install Wizard program will run automatically.

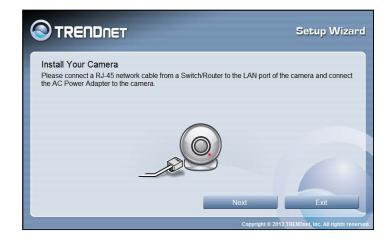
Note: If the Install Wizard does not run, you may have autorun disabled on your machine. In this case, browse to the CD drive and run **InstallWizard.exe** to begin the installation wizard.

Begin by selecting **Setup Wizard** and follow the on-screen steps to continue the installation.



When the installation of the Setup Wizard is complete, run the Setup Wizard:

 Click Start > Programs > TRENDnet > SetupWizard > SetupWizard. The TRENDnet Setup Wizard appears. 2. Connect an RJ-45 cable from a switch/router to the Ethernet port on the back of the camera and connect the AC power adapter to the camera. Click Next to proceed.



3. From the list of cameras that appears, select the camera you wish to configure and click **Next** to continue. If your camera is not listed, ensure that it is connected to both power and the network and click **Re-Scan** to re-scan the network for your camera.



TV-IP672W / TV-IP672WI

4. Login to your camera by entering the ID and Password. By default, both the ID and Password are set to **admin**. Click Next to continue.

			Setup Wizard
Authentication Please enter ID and password to ve Or click button "Previous" to select a		tting up camera. Click but	ton "Next" to check.
	ID admin	_	
	Password	(Default : admin)	
	nt, so please click the "Ur	is a DHCP server in your iblock" button if you see a	
	Previous	Next	Exit
		Copyright © 2012 TRE	NDnet, Inc. All rights reserved

5. Enter a name for the camera in the Camera Name field. The name will be used to identify your camera on the network. Enter the correct time for the camera for the time zone it is in. If your camera is in the same time zone as the computer you are using, click the Copy Local Time icon to copy the local time to the camera. Click Next to continue.

Other Settings		all and the second second second second	and the formulation
current time on "Camera	the camera. And you can also a time" option. Or click "Copy Loo "Next" to continue setting up.		
	Camera Name		
	TV-IP672WI		
	Camera Time		
	2011/01/01	~	
	2011/01/01 04:58:38	•	

6. It is strongly recommended that you change your password to secure the camera from being accessed by others. Check the **Change Password** box and enter the new password in both password fields to confirm the new password. Click Next to continue.



Select a connection option: (example uses DHCP connection type)
 PPPoE: Select this option if your camera is directly connected to a DSL modem and your ISP requires a PPPoE authentication to the Internet.

DHCP: Select this option if your camera is connected to a router and DHCP is enabled.

Fixed IP: Select this option if your camera is directly connected to a DSL modem and your ISP has supplied you with a fixed IP for your Internet connection.

Select the radio button for your connection type and click Next to continue.

		Setup Wizard
Select a Connection O Please select the connection choose, leave the option sel	option by your camera network environment. If you d	on't know how to
C PPPoE	(Select this option if your camera is directly connect to a DSL Modern and your ISP requires a PPPoE authentication to the Internet.)	ed
· DHCP	(Select this option if your camera is connected to a router and DHCP is enabled.)	
C Fixed IP	(Select this option if your camera is directly connect to a DSL Modern and your ISP has supplied you wi fixed IP for your Internet connection.)	
	Previous Next	Exit

TV-IP672W / TV-IP672WI

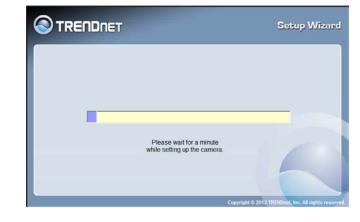
8. Select whether you want to use the camera over an wireless connection or on a wired connection. Click No, I don't want to use wireless for the camera. Then click **Next** to continue. (skip to step 12 for wireless configuration)



9. A summary screen of the settings you have chosen appears. Click Next to continue.

	NET		Setup Wizard
Setting Up The	Camera		
	Network : Use DHCP		
	Camera Name : TV-IP551W.		
	Camera Date : 2011/11/01		
	Camera Time : 08.17.10		
	Wireless : Disabled		
			1
	Previous	Next	Exit
	Previous	Next	EAII

10. After the Setup Wizard configures the camera, the wizard starts to setup process.



11. When the Setup Wizard has finished, the configuration is complete and the following screen appears:



Link

You are now ready to use your camera.

Click the IP address link or the link advanced configuration page.

button to access the camera's

TV-IP672W / TV-IP672WI

12. When selecting the wireless setup choose "I want to use wireless for the camera, click **Next** to continue.

	Setup Wizard
Setup Wireless	
In this section, you can choose whether use the camera's wireless or not. Click button "Next" to continue setting up.	
I want to use wireless for the camera.	-
 No, I don't want to use wireless for the camera. 	
Previous Next	Exit
Copyright © 2012	TRENDoet, Inc. All rights reserved.

Wireless Connection

- Find the access point (AP) you wish to connect to from the **Available AP** drop down menu.
- In most cases you should leave the **Channel** set to Auto as the AP will determine the channel of operation.
- Select the type of **authentication** and **encryption** required by the access point and enter the **Key** required to connect.



13. A summary screen of the settings you have chosen appears. Click Next to continue.

Setting Up The	e Camera		
	Network :	Use DHCP	
	Camera Name :	TV-IP672WI	
	Camera Date :	2012/03/21	
	Camera Time :	14:59:49	
	Wireless :	Disabled	
			6
	Previous	Next	Exit

14. After the Setup Wizard configures the camera, a screen prompting you for the connection method appears.



Check the radio button for the method of connection you want to use for your camera and click **Next** to continue.

TV-IP672W / TV-IP672WI

15. Connecting over wireless

Disconnect the Ethernet cable from the camera and wait for 1 minute for the camera to turn to wireless mode then click Next to continue.

	Setup Wizard
Disconnect Network Cable Please disconnect the camera's RJ-45 network cable and wait a minute mode. Then click button "Next" to continue testing wireless status.	for the camera turn to wireless
Previous Next	Exit
Соругі	ght © 2012 TRENDnet, Inc. All rights reserved.

When the Setup Wizard has finished, the configuration is complete. If there is no wireless connection found, the following screen will appear:

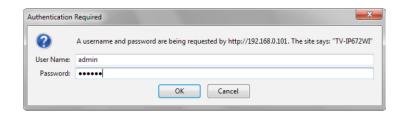
	Setup Wizard
Wireless Not Ready We can not connect to the camera by using wireless. Please reconnect wait a minute for the camera turn to wired mode. Then you can retry the camera by using wired mode. Click button "Next" to continue setting up.	wireless setting or connect to the
 Retry the wireless setting By using wired 	
Next	Exit
Соруг	ight © 2012 TRENDnet, Inc. All rights reserved.

When the Setup Wizard has finished, the configuration is complete. If there is a wireless connection found, the following screen will appear:



Configuration

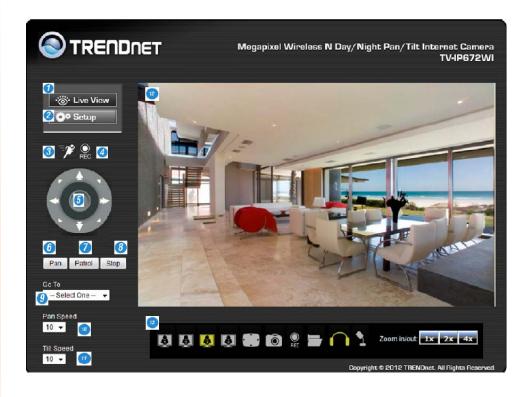
After completing the Setup Wizard, you are ready to use your camera. The camera's built-in Web configuration utility is designed to allow you to easily access and configure your TV-IP672W or TV-IP672WI camera. Open a web browser such as Internet Explorer[®] and enter the IP address of your camera. To log in, use the User name **admin** and the password you created in the Setup Wizard. If you did not create a password, the default password is **admin**. After entering your password, click **OK**.



The home page for the TV-IP672W or TV-IP672WI appears.



Main Interface

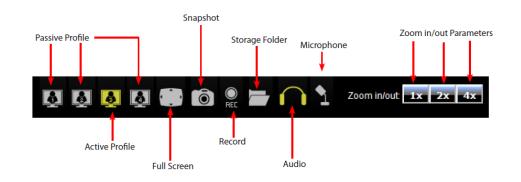


COMPONENT	DESCRIPTION
1. Live View	This is the Main Screen. This shows whatever the camera is pointed at.
2. Setup	Setup provides all of the configuration options on the TV-IP672W/WI
3. Motion Trigger	Click this button to activate motion
4. Record	Click this button to enable recording
5. Directional	Control the direction of the camera, zoom in or out, and
Controller	software Pan & Tilt functions.

TV-IP672W / TV-IP672WI

6. Pan	This button pans the camera to the desired position from start to Pan.
7. Patrol	This button functions from start to auto patrol.
8. Stop	This button stops the Pan & Patrol motion.
9. Go to	This drop-down list gives you the option to select the camera
	you want to configure.
10. Pan Speed	Select the speed of the Pan motion from 1-10. 1 is the lowest
	as 10 is the highest.
11. Tilt Speed	Select the speed of the Tilt motion from 1-10. 1 is the slowest
	as 10 is the fastest.
12. Live View	This screen shows the current view from the camera
13. Control	It contains a list of functions.
Navigational Menu	

Record	Start recording the current video stream.	
Storage Folder	Select this icon to select the folder where you want to store	
	video feeds.	
Audio	Click this button to toggle between sound and mute.	
Microphone	Click this button to use the microphone on the camera and	
	listen to your viewing angle's surrounding area.	
Zoom	There are different zoom options under Zoom in/out. The viewing angle can be zoomed in from 1 times, 2 times, and 4	
	times.	



COMPONENT	DESCRIPTION	
Passive Profile	This profile, in grey, is inactive.	
Active Profile	This profile, in yellow, is active.	
Full Screen Mode	Mode The viewable screen is expanded to full screen	
Snapshot Click this button to take a snapshot of your current viewing		
	angle.	

Setup Wizard

To view the Setup Wizard settings:

- 1. Login to the camera as described in the section **Using the web-based configuration interface.**Click on the **Setup** tab on the left panel.
- 2. Click **Wizard.** The Welcome to Internet Connection Setup Wizard screen appears.

From the menu on the right side of the screen, click Next to start the Setup Wizard.

Step 1: LAN Settings

This screen provides two connection options: **DHCP Connection** and **Static IP Address**. In **DHCP Connection** all fields are non-existent cause your router selects an IP address for you. Under **Static IP** address field to enter the IP address details yourself according to what your network provider gave you. Select the appropriate option and click **Next** to continue.

	ET Megapi	xel Wireless N	Day/Night Pan/Tilt Internet Camera TV-IP672WI
Cive View	Please select whether your camera will your camera is connected to a router, o	r you are unsure whi IP Address. Otherwis	ETTINGS net with an Automatic or a Static IP Address. If ch settings to pick, we recommends that you se, select Static IP Address to manually assign
System	Static IP Address		
Network	IPv4 Address Subnet Mask	10.10.9.99	
Video/Audio	Default Gateway (Router)	10.254.254.251	
Action	Optional Primary DNS	172.19.10.99	
	Optional Secondary DNS	172.19.10.100	
Motion Detection	Back	Next	Cancel
Tools			
Advanced			
			Copyright © 2012 TRENDnet: All Rights Reserved.

Step 2: Internet Settings

This screen provides **PPPoE** settings and allows the camera to be connected directly to your ADSL modem. Click the **Enable** checkbox to setup **PPPoE**. Enter a username and password. If your internet connection doesn't call for **PPPoE** deselect the Enable checkbox and click **Next**

	ET Megapixel Wireless N Day/Night Pan/Tilt Internet Camera TV4P672WI
Ive View Image: Setup Wizard System Network	STEP 2: INTERNET SETTINGS If your ISP is using PPPoE, please enable this setting and enter your ISP Username and Password Then, dick on the Nex butten, Flease contact your ISP if you do not know your Username and Password. Canabled Username Password Back Next Cancel
Vidco/Audio Action Motion Detection Tools Advanced	
Advanced	Copyright © 2012 TRENDhot. All Flighta Reporved

Step 3: DDNS Settings

This screen provides **DDNS settings**. Click the Enable checkbox to setup **DDNS**. Once you have clicked Enable, select your **DDNS Server** and enter your **Server Address**. Enter a **Host Name, User Name**, and **Password**. Verify the password by entering your details again and then enter the **Timeout** settings in hours. Click **Next** to continue. If you do not want to use the **DDNS** settings uncheck the **Enable** checkbox and click **Next**.

	:T Meç	gapixel Wireless N I	Day/Night Pan/Tilt Internet Camera TV-IP672WI
			TTINGS ra to update the IP address automatically, Then, click on the Next button to continue.
	Server Address	www.DynDNS.org	Select DDNS Server 👻
System	Host Name User Name		-
Network	Password		
Video/Audio	Varify Password		
Action	Timeout	576	(Haur)
Motion Detection	Back	Next	Cancel
Tools			
Advanced			
			Copyright © 2012 TRENDnet, All Rights Reserved

Step 4: Camera Name Settings

This screen provides **Camera Name settings**. In the **Camera Name** field type the name you wish to assign to the camera and click **Next** to continue.

	ET Megapixel Wireless N Day/Night Pan/Tilt Internet Camera TV-IP672WI
Construction	STEP 4: CAMERA NAME SETTING S We recommends that you rename your camera for sasy accessibility. You can then identity and connect to your camera via this name. Please assign a name of your choice before clicking on the Next button.
Wizard System Network	Camera Name Back Next Cancel
Video/Audio Action Motion Detection	
Tools Advanced	
	Copyright © 2012 THENIDRE, All Registe Reserved

Step 5: Time Zone Settings

This screen provides **Time Zone settings**. From the **Time Zone** drop-down list, select your time zone. Click **Enable Daylight Saving** if you are going to use that time method and select either **Auto Daylight Saving** or **Set date and time manually**. Click **Next** to continue.

	T Megapixel Wireless N Day/Night Pan/Tilt Internet Came TV-IP672
·ö∴ Live View O Setup	STEP 5: TIME ZONE Please configure the correct time to ensure that all events are triggered, captured and scheduled at the right time. Then, click on the Next button.
Wizard System Network Video/Audio Action Motion Detection	Time Zone (GMT-08:00) Pacific Time (US&Canada)
Fools	Back Next Cancel

Step 6: Setup Complete

This screen provides **Configuration Settings**. The final screen shows the information you have just configured. Click **Back** to make changes, **Apply** to set the changes and **Cancel** to exit without saving the settings.

S) TRENI		TV-1P67
•öö• Live View		STEP 6: SETUP COMPLETE
OP Setup	on the Apply button it	y of your camera settings. Click on the Back button to review or modify settings or click fall settings are correct. It is recommended to note down these settings in order to con the network or wa your web browsor.
Wizard	IPv4 Address	Automatic
System	IP Camera Name	TV4P672WI
Jystelli	Time Zone DDNS	(GMT-08:00) Pacific Time (US&Canada) Disabled
Vetwork	PPPoE	Enable
/ideo/Audio		Back Apply Cancel
Action		LUCK ALLAY STATEM
Motion Detection		
Tools		
Advanced		

The camera will gather and reboot the camera to its new settings

TV-IP672W / TV-IP672WI

System

System is divided into two main sections – **Admin and Time & Date**. The **Admin** section is where all **Device Management** configurations are handled.

🕙 TREND	NET	Megapixel Wireless	: N Day/Night Pan/Till Internet Camera TV4P672WI
🛞 Live View	ADMIN PASSWORD S	ETTING	
O [©] Setup	Old Password New Password		30 characters maximum 30 characters maximum
Wizard System	Confirm New Password	Save	
• <u>Admin</u> •Time and Date	ADD USER ACCOUNT User Name		30 characters maximum
Network	New Password Confirm New Password		30 characters maximum
Video/Audio Action	USER LIST	Add 20 users me	
Motion Detection	User Name AUTHENTICATION	- Uter list 🖵 Delete	_
Tools Advanced	RTSP Authentication HTTP Authentication	1	
	DEVICE SETTING	ntication (<u>http://192.168.0.106/i</u> Save	mage/peg.og()
	Camera Name	TV-IP672WI	30 characters maximum
	Label	TV-IP672WI	30 characters maximum
	LED light	Power/Link 💌	
	Calibrate The Device PRIVACY MODE	Calibrate the Device	
	Privacy mode	Save	

Device Management consists of Admin Password Settings:

Admin Password Settings: Here you can change the administrator password settings. Enter the Old Password, New Password, and Confirm New Password in their respective fields.Click Save to continue.

ADMIN PASSWORD SETTING		
Old Password		30 characters maximum
New Password		30 characters maximum
Confirm New Password]
	Save	

Add User Account: Here you can add users who want to view images on the W/WI Enter a User Name, Password, and Verify the New Password.Click Add to continue.

ADD USER ACCOUNT		
User Name		30 characters maximum
New Password		30 characters maximum
Confirm New Password		
	Add 20 users ma	iximum

User List: Here you can select a user and click the Delete button to remove the user from your list.

USER LIST	
User Name	User list 💌 Delete

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Authentication: Here you have three options to authenticate. **RTSP Authentication**, **HTTP Authentication**, and **Snapshot**. Click the checkbox to enable each authentication process or leave them blank. Click **Save** to continue.

AUTHENTICATION
RTSP Authentication
ITTP Authentication
Snapshot URL Authentication (<u>http://192.168.0.101/image/jpeg.ogi</u>)
Save
The camera allows users to access the video directly
For Internet Explorer, http://camera.ip/directview/tvaview.cgi

For Non Internet Explorer, <u>http://camera.ip/directview/tvjview.cgi</u>

When HTTP Authentication is enabled, user name and password are required to access the direct view page.

Device Settings: Here you can change the **Camera Name**, click **OSD** to enable the **Label Name** and check **Time Stamp** to singe times into your images. The **LED light** has three options from the drop-down list: **Power/Link**, **Off**, or **Flicker**. The options are selfexplanatory. Click **Save** to continue.

DEVICE SETTING			
Camera Name I OSD	TV-IP672WI	36 characters maximum	
Label I Time Stamp	TV-IP672WI	30 characters maximum	
LED light	Power/Link -		
Calibrate The Device	Calibrate the Device		

Privacy Settings: Here you can enable/disable the Privacy button function.

Privacy mode		
Manual off		
Manual on		

The next configurable section under **System** is **Time and Date**. If you didn't set the time and date settings in the **Setup Wizard**, you can change them here.

· Live View	TIME CONFIGURATION			
🔅 Setup	Time Zone (GMT-08:00) Pacific Time (US&Canada)	•	
Wizard System	Auto Daylight Saving Set DST Manually			
•Admin • <u>Time and Date</u>	AUTOMATIC TIME CONFI			
Network	SET DATE AND TIME MAN	IUALLY		
Video/Audio	Setup Date and Time Manua	ally		
Action	Apply Cance			
Motion Detection	1			
Tools]			
Advanced	1			

Under Time Configuration, select a Time Zone from the drop-down list. Click the checkbox next to Enable Daylight Saving to enable this function and choose either Auto Daylight Saving or Set DST Manually. Click Apply to continue.

TIME CONFIGUE	TIME CONFIGURATION					
Time Zone	(GMT-08:00) Pacific Time (US&Canada)					
Enable Daylight Saving						
Auto Data	Auto Daylight Saving					
© Set DS	ST Manually					

Under Automatic Time Configuration, click the **Synchronize with NTP Server** checkbox if you wish to sync your **W/WI** with your NTP server. Click **Apply** to continue.

AUTOMATIC TIME CONFIGURATION

Synchronize with NTP Server

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Under Set Date and Time Manually, click the **Setup Date and Time Manually** checkbox if you wish to set the time by yourself. From the drop-down list on all settings, select your time and click **Apply** to continue or click **Copy Your Computer's Time Settings**.

SET DATE AN	SET DATE AND TIME MANUALLY						
Setup Date a	and Time Manual	ly					
Year	2011 💌	Month	11 💌	Day	10 💌		
Hour	16 💌	Minute	4 💌	Second	39 💌		
		Copy Yo	ur Computer':	s Time Setti	ngs		

Network

This screen shows the LAN Settings. If you didn't set your LAN settings in the Setup Wizard, you can set them up here.

	NET Megapixel Wireless N Day/Night Pan/Tilt Internet Came TV-IP672V
Cive View Statup Wizard System	LAN SETTINGS LAN SETTINGS © DHCP Connection © Static IP Address © PPPoE PORT SETTINGS HTTP Port 80 RTSP Port 554
Network • Network • Wireless Setup • Dynamic DNS Video / Audio	UPnP VUPnP UPnP Port Ferward Apple V Bonjour
Action Motion Detection	Apply Cancel
Tools Advanced	
	Copyright © 2012 TRENDriet, All Rights Reser

Under LAN Settings, select either DHCP Connection or Static IP Address. If you want to setup PPPoE, click the PPPoE checkbox and enter the Username, Password, confirm the Password and click Apply. The Status will change from Disabled to Enabled.

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LAN SETTINGS	
LAN SETTINGS	
C DHCP Connection	
Static IP Address	
IPv4 Address	192.168.10.30
Subnet Mask	255.255.255.0
Default Gateway (Router)	192.168.10.1
Optional Primary DNS	
Optional Secondary DNS	
PPPoE	
PORT SETTINGS	
HTTP Port 80	
RTSP Port 554	
UPnP	
UPnP Port Forward	
Apple	
I Bonjour	
Apply Cancel	

Under **Port Settings**, select the **HTTP Port** (80 is the default) and also select the **RTSP Port** (554). Under **UPnP**, click the **UPnP** checkbox if you want to enable this function. Click the **UPnP Port Forwarding** checkbox if you want to enable to set the ports. Select the **External HTTP** port and select the **RTSP port**. If you are using a **MAC** check the **Bonjour** checkbox to enable this function. Click **Apply** to set the changes.

Wireless Setup

This screen shows the **Wireless Settings**. Click the **Wireless** checkbox to enable wireless. Complete the details in the fields according to your router. Enter a **Network Name**, under **Site Survey** select the **SSID** from the drop-down list or rescan your network settings. Select the **Wireless Mode** from the drop-down list (**Infrastructure**, **Ad-Hoc** mode). Select your **Security Mode** from the drop-down list. Select from **WEP/WPA-PSK/WPA2-PSK**. Finally enter the security key. Click **Apply** to accept the changes.

· Live View	WIRELESS CONFIG	URATION
ÖØ Setup	Wireless	
	Network Name	default
	Site Survey	===SSID List===
Wizard	Wireless Mode	Infrastructure 👻
System	Security Mode	None -
System	Key	
Network		
• Network		Show Hidden Key
• Wireless Setup	_	
Dynamic DNS	Apply	Cancel
Mideo / Audio		
Video/Audio		
Action		
Motion Detection		
Tools		
TUOIS		
Advanced		

WEP – Wired Equivalent Privacy is a security protocol for wireless local area networks defined in the 802.11b standard. WEP provides the same level of security as that of a wired LAN.

WPA-PSK - is a more secured method of wireless encryption. With WPA-PSK you don't provide your router with an encryption key but rather a paraphrase.

WPA2-PSK – highly secured method of wireless encryption.

Dynamic DNS

Also under **Network Settings** is **Dynamic DNS**. If you have not enabled this function in the **Setup Wizard** click the **DDNS** checkbox to enable **Dynamic DDNS**. Select your **DDNS** server from the drop-down list and fill in the parameters from these fields: **Host Name**, **User Name**, **Password**, **Confirm Password**, and **Timeout**. Click **Apply** to set these changes and continue.

· ö: Live View	DYNAMIC DNS SETTIN	IG	
O* Setup	DDNS Server Address	www.DynDNS.org	<< Select DDNS Server 🔻
/izard	HostName UserName		
iystem Ietwork	Password Confirm Password		
Network Wireless Setup	Timeout Status	576 Disabled	hours
Dynamic DNS	Apply Car	ncel	
deo/Audio			
ideo/Audio ction			
Fideo/Audio Iction Action Detection Fools			

Video and Audio

This screen shows different video profiles where you can setup different functions for the camera. The audio settings also allow for different settings. Each profile coincides with the profile icons in **Live View**. Setting up each profile individually gives the user better choice.

🔕 🔯 I	Image: Section of the section of th
· Live View	VIDEO PROFILE 1
💭 Setup	Encode Type Resolution FPS Encode Method bps RTSP URL
	the transferred to the transferr
Wizard	VIDEO PROFILE 2
	Encode Type Resolution FPS Encode Method bps RTSP URL
System	H.264 • 640X400 • 10 • CER • 1 Mbps • play2.sdp
Network	VIDEO PROFILE 3
TTO MORE	Encode Type Resolution FPS Encode Method Quality RTSP URL
Video/Audio	JPEG 640X400 - 10 - Quality - Good - play3.sdp
• <u>Video and Audio</u>	VIDEO PROFILE 4 FOR MOBILE DEVICE ONLY
 Image Setup 	Encode Type Resolution FPS Encode Method bps RTSP URL
Action	MPEG4 • 320X192 • 5 • CBR • 384 Kbps • 3gpp
	DAY/NIGHT MODE
Motion Detection	Dav/Night mode Auto ▼
Tools	
	AUDIO SETUP
Advanced	I Speaker
	Volume 50 👻
	Vicrophone
	Volume 50 💌
	Apply Cancel
	Copyright © 2012 TRENDnet, All Rights Reser

TV-IP672W / TV-IP672WI

Video and Audio

Under each profile settings there are six main functions, **Encoder Type**, **Resolution**, **Frames per Second**, **Encode Method**, **bps**, and **RTSP URL** settings.

Encode Type: This sets the file format and file quality.

Resolution: This is the size of your image.

Frames Per Second: This is the speed at which each frame is captured

bps: Is the transmission speed of your data (4Mbps-64Kbps)

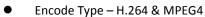
Encode Method: Is your Constant Bit Rate

BPS: Is the transmission speed of your data (4Mbps-64Kbps)

RTSP URL: is the RTSP URL where video streaming is accessed.

Each Profile offers different specifications. Select the specifications that best suite you.



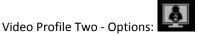


- Resolution 1280x800/640X400/320X192/160X96
- FPS 30/15/10/5/3/2/1
- Encode Method CBR/Quality
- Bps –

4Mbps/3Mbps/2Mbps/1.5Mbps/1Mbps/768Kbps/512Kbps/384Kbps/256Kbps/12 8Kbps/64Kbps

• RTSP URL – play1.sdp

VIDEO PROF	ILE 1				
Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
H.264 💌	640X400 💌	30 👻	CBR 🗨	4 Mbps 💌	play1.sdp



- Encode Type H.264 & MPEG4
- Resolution –640x400/320x192/160x96
- FPS 30/15/10/5/3/2/1
- Encode Method CBR/Quality
- Bps –

4Mbps/3Mbps/2Mbps/1.5Mbps/1Mbps/768Kbps/512Kbps/384Kbps/256Kbps/12 8Kbps/64Kbps

RTSP URL – play2.sdp

VIDEO PROF	ILE 2				
Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
H.264 💌	640X400 💌	10 👻	CBR 💌	1 Mbps 💌	play2.sdp

Video Profile Three - Options:

- Encode Type JPEG
- Resolution -1280x800/640X400/320X192/160X96
- FPS 30/15/10/5/3/2/1
- Encode Method –Quality
- Quality Low/Fair/Standard/Good/Excellent
- RTSP URL play3.sdp

VIDEO PROFILE 3							
Encode Type	Resolution	FPS	Encode Method	Quality		RTSP URL	
JPEG	640X400 💌	10 👻	Quality 👻	Good	-	play3.sdp	

Video Profile Four for Mobile Devices Only - Options:

- Encode Type H.264 & MPEG4
- Resolution 640X400/320X192/160X96
- FPS 30/15/10/5/3/2/1
- Encode Method CBR/Quality

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Bps –

4Mbps/3Mbps/2Mbps/1.5Mbps/1Mbps/768Kbps/512Kbps/384Kbps/256Kbps/12 8Kbps/64Kbps

RTSP URL – 3gpp

VIDEO PROF	ILE 4 FOR MOB	ILE DEVICE O	NLY		
Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
MPEG4 👻	320X192 👻	5 💌	CBR 💌	384 Kbps 💌	3gpp

Day/Night Mode

The TV-IP672WI allows users to record data in day and night mode. The TV-IP672WI have LED's for night mode. This section provides day and night options. You can select it to run automatically, manually, in constant day mode or constant night mode.

Audio Setup

The TV-IP672W/TV-IP672WI allows users to record and broadcast audio. Click the Speaker checkbox to change the volume settings on the camera's speaker. Click the Microphone checkbox and select your preference from the volume drop-down list. Click Apply to continue.

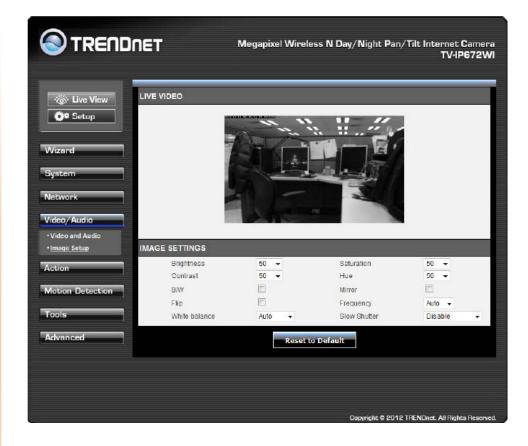
DAY/NIGHT MOD	DE
Day/Night mode	Auto 💌
AUDIO SETUP	
Speaker	
Volume	50 💌
Microphone	
Volume	50 💌

Image Setup

Just like any camera, you are able to make changes to the image settings. With the **W/WI**, you can change the **Brightness**, **Contrast**, color scheme to **Black/White**, **Flip** the image, and change the **Frequency**, **Shutter Speed**, **Saturation**, **Hue**, **Mirror**, **Auto Exposure** and **White Balancing**. The settings can be viewed "live" through the LIVE **VIDEO** display in the forefront image.

If you wish to discard the changes you made click the Reset to Default

Reset to Default button.



Action

Recording

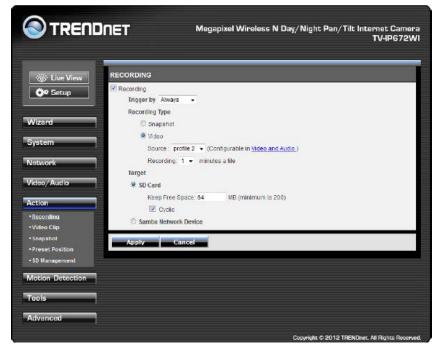
This screen shows the SD Card parameters. You are able to set the recording options on this page. Click the Recording checkbox to enable camera recording. All data is stored on the removable SD card.

There are three main sections:

Trigger By: Always, Motion, Schedule,

Recording: Configure the recording options

SD Card: Recording files size



Trigger By - Always

This option allows you to record constantly. If you select **Always** bear in mind that the **Recording Type** should be **Video** and that the source usually comes from **Profiles 1, 2 or 4** under Source. Make sure the SD Card settings are setup to accommodate the huge storage space required for **Always** connections. Click **Apply** to complete the configuration.

RECORDING	
Recording	
Trigger by	Always 👻
Recording	Туре
© Sn	apshot
Vid	eo
Sol	urce : profile 2 🔹 (Configurable in <u>Audio and Video.</u>)
Re	cording: 1 👻 minutes a file

Trigger By – Schedule

This option allows you to record according to the schedule you setup. If you select **Schedule** a calendar of the days of the week appear. Here you can select from each day's checkbox which days you want to setup and you can create a start and end time. Click **Apply** to complete the configuration.

RECORDING
Recording
Trigger by Schedule -
Day: 🗷 Sun 🕼 Mon 🕼 Tue 🖉 Wed 🕼 Thu 🕼 Fri 🕼 Sat
Time: Start 0 : 0 End 0 : 0
Recording Type
© Snapshot
Video
Source : profile 2 👻 (Configurable in <u>Audio and Video.</u>)
Recording: 1 - minutes a file

Trigger By – Motion

This option allows you to record according to the motion parameters you setup. If you select **Motion**, click the **Onlyduring** checkbox. Then a calendar of the days of the week appears. Here you can click one of the day's checkboxes and you can create a start and end time. The Recording Type changes to pre-record or pre-event settings. This means

TV-IP672W / TV-IP672WI

the camera will start recording before the allotted time schedule. These times can only be set in seconds. Click **Apply** to complete the configuration.

RECORDING
Recording
Trigger by Motion -
Only during
Day: 🗹 Sun 🗹 Mon 🔍 Tue 🔍 Wed 🔍 Thu 🔍 Fri 🔍 Sat
Time: Start 0 : 0 End 0 : 0
Recording Type
Pre-event recording 5 seconds (between 0 to 5 seconds)
Post-event recording 5 seconds (between 0 to 60 seconds)
© Snapshot
Video
Source : profile 2 - (Configurable in <u>Audio and Video.</u>)
Recording: 1 👻 minutes a file

Recording Type

The two main sections here are **Snapshot** and **Video**. **Snapshot** takes a picture from your recorded data and only works with **Profile 3**. **Video** captures source data from **Profiles 1, 2, and 4**. and is configurable in **Video/Audio** settings.

Target - SD Card

These settings depend on the size of your **SD card**. The larger your **SD card** the more storage space you have to record data. Recording data can be recorded in increments of 1-6 minutes. **Cyclic** settings can also be checked.

Target - Samba Network Device

The **Samba Network Device** requires a NAS server or a Linux server to operate. Under **Server**, enter the server address. Click the **Anonymous** radio button to allow anonymous users to send files to the Samba server. Then enter the **Share Folder**, **Sub Folder** (if needed) and enter the disk space needed.

If you click the **Account** radio button then enter a **Username** and **Password**. This will authenticate the user every time they log on to the samba server.

Samba Network	Device	
Server		
Anonymou	JS	
Account		
Share Folder	TV-IP572WI	
Sub Folder		
Keep Free Spa	ace: 200	MB (minimum is 200
Cyclic		

Video Clip

Click the Video Clip checkbox to activate video recording events.

There are three main sections:

Trigger By: Always, Motion, Schedule,

Video Clip Type: Configure the recording options

Target: The targets available are FTP and E-mail. If you want to record data to an FTP server, click FTP. If you want to record data to an E-mail account click E-mail.



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The **Trigger by** and **Video Clip** settings are similar to the options under Recording. Please see the above description for details.

Target

Target offers two variables, **FTP** or **Email**. You cannot select both. If you select FTP enter the details as laid out in the FTP field.

FTP Server – this is your default FTP server address

Port – this is the default FTP Port (21) address

Username – the username your FTP administrator provided

Password – the password your FTP administrator assigned you

Path – the directory

Filename Prefix – the filename you are using to access the data or save the data to **Interval** – The default interval range is 60-86400. The time the server interacts with your camera

Passive Mode – Server/client initiation access to bypass proxies.

ö Live View	VIDEO CLIP			
• Setup	Video Clip			
	Trigger by Always 💌			
	Video Clip Type			
zand	Source profile 2 💌 (C	configurable in <u>Vic</u>	teo and Audio.)	
stem	Pre-event recording 5	Seconds (b	etween 0 to 5 seconds)	
work	Maximum duration 10	Seconds (be	tween 5 to 10 seconds)	
	Target			
co/Audio	O FTP			
ion	FTP Server/Port	1		: 21
cording	User Name			
ieo Clip	Password			
apshot	Path			
eset Position Management	Filename Prefix			
	Interval	300	Seconds (range 60 tr	96400 seconds)
tion Detection	Passive Mode			
ls			-st	
Concernant of the	O E-mail			
ranced	U E TITAN			

For Email

Recipient E-mail Address - the email address you want to send information to

SMTP Mail Server - the mail server domain details

Port - the default Port number (25)

Username - the username settings provided by your email administrator

Password - the password settings provided by your email administrator

Sender Email Address - the email address of the sender

Send next email after - the alert email interval times

Use SSL-TLS – this is a secure method (please consult your administrator before using this setting). There are two options, SSL-TLS or STARTTLS.

Click the Test button to proceed with a test. This will authenticate the email details with your email server.

If the authentication is positive the test will be complete. If the test is a failure, the result will not be successful.

Concernent Live View	VIDEO CLIP		
Of Setup	Video Clip		
	Trigger by Always 👻		
	Video Clip Type		
Vizard	Source : profile 2 - (Configurable in <u>Video and Audio</u>)		
ystem	Pre-event recording 5 Seconds (between 0 to 5 seconds)		
	Maximum duration 10 Seconds (between 5 to 10 seconds)		
etwork	Target		
ideo/Audio	C FTP		
	E-mail		
ction	Recipient E-mail Address		
Recording	SMTP Mail Server		
<u>Video Clip</u> Snapshot	Port 25 (range 1 to 65535)		
Preset Position	UserName		
SD Management	Password		
lotion Detection	Sender E-mail Address		
Incide Detection	Interval 600 Seconds (range 60 to 86400 seconds)		
ools	Use SBL-TLS None -		
dvanced	Test		
avancea			
	Apply Cancel		

TV-IP672W / TV-IP672WI

Snapshot

These settings control **SNAPSHOT** settings for your camera. The **Trigger by** settings is similar to settings above, so please view the settings above. The **Snapshot Type** provides for a **Single snapshot** or 6 snapshots at 1-2 second intervals. The **Target FTP** and **Email** settings are similar to settings explained above. Please read the configuration in the above explanation.

🕙 TREND	NET Megapixel Wireless N Day/Night Pan/Tilt Internet Camera TV-IP672WI
Cive View	SNAPSHOT
Wizard	Source : Profile 3(configurable in <u>Video and Audio.</u>) Single snapshot
Network	 6 snapshot with 1 - second interval (3 frames before and 3 frames after motion frame) Target
Video/Audio	E-mail
Action • Recording • Video Clip • Snaushot • Preset Position • SD Management	Apply Cancel
Motion Detection	
Advanced	Copyright © 2012 TRENDiret. All Rights Reserved

Preset Position

Preset Position

This screen shows the software Pan/Tilt functions. You can set preset positions for fast authentication. Most of the screen is taken up by the camera image. On the right of the main screen is the Pan & Tilt dial



- 1. **Under Preset Position** Enter a name in the field provided to give a name a position.
- 2. Click Add.
- 3. To set a new **Preset Position** Use the Pan & Tilt dial to select your Pan & Tilt speeds, and select the position.
- 4. Use the **Set As Home** button to choose it as your home screen.
- 5. Click the **Default Home** button if you wish to use this configuration as your default home viewing area.
- 6. **Preset Position** From the Preset Position drop-down menu, you can select the preset you created and delete it.

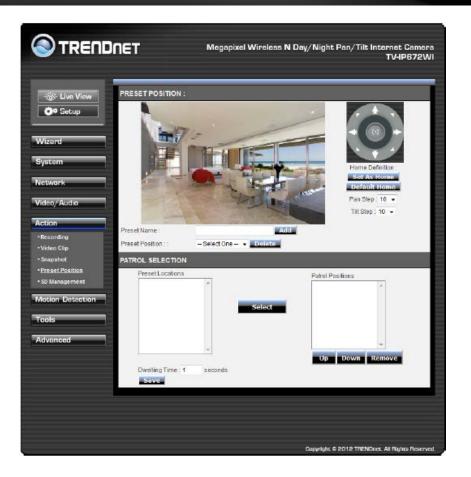
TV-IP672W / TV-IP672WI

The Pre-programmed Preset Positions is a list of presets you have setup under Preset Position. This list is populated with different camera views and angles.

Patrol Selection

This area is where you setup the movement of the Pan/Tilt during a particular time frame. This Patrol Position can be setup with different Pan/Patrol Speeds and Dwelling time(s) in seconds. The Dwelling Time is the duration the camera takes to span a particular area.

- 1. **Setup the Preset Position** Once you have setup the Preset in the previous configuration list, select it from the Pre-programmed Preset Positions.
- 2. Click the **Select** button to transfer this preset to the **Patrol Position**.
- 3. Set the position of your **Preset**. This depends on the priority of Patrol Position which item you want to make your priority.
- 4. For each Patrol Position you can adjust the Pan/Patrol Speed (1-3 with 1 being the slowest), and Dwelling Time (in seconds). This indicates the time needed to span an area covered by the camera.
- 5. Click **Apply** to continue and finish the process.



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SD Management

These settings control the management of data on the SD card installed on the camera. Set the files per page – 5-100 files. To delete a file, select the file and click the Delete checkbox to delete the file. If you wish to format your SC card at any time, click the Format SD Card Format SD Card button.

Set Micro-SD card format toFAT32, it is recommended formatting the SD card to make sure the SD card is compatible with the camera. (Please backup all data on the SD card to other locations prior to this procedure)

	DNET	Megapixel Wireless N Day	ı/Night Pan/Tilt Internet Camera TV-IP672W
🔆 Live View	SD MANAGEMENT	_	SD Status : Invalid
OP Setup		Refresh	Pages: 0 v of
Wizard	Delete	Name	Size
System	Format SD Card		Total : KB, Used : KB, Free : KB
Network			
Video/Audio			
Action			
• Recording			
Video Clip Snapshot			
• Preset Position • <u>SD Management</u>			
Motion Detection	1		
Tools			
Advanced			
			Copyright © 2012 TRENDnet, All Rights Reserve

Motion Detection

These settings control the motion detection settings on the camera. Motion detection allows you to designate an area in the cameras viewing angle to capture motion within that area. All other areas will not be recorded. This is useful if you want to limit your recording to a particular size.

	ÎNET	Megapixel Wirel	less N Day/Night Pan/Tilt Inte	ernet Camera TV-IP672WI
Vizard System Video/Audro	LIVE VIDEO		Sessifivity 93 %(0%-100%) Drawing Modo © Draw motion area © Erase motion area Cloar Kefresh imago	٦
Action Motion Detection	Αρρίγ	Cancel		
Tools Advanced				
			Copyright © 2012 TREMOnec	All Rights Reserved.

Click the **Enable Video Motion** checkbox to activate motion detection. There are two main fields: **Sensitivity** and **Drawing Mode**. **Sensitivity** is based on the strength of the motion in the designated area. **0%** means the strength is low and the system moves up incrementally to **100%** full sensitive strength.

Drawing Mode provides two options. Once you select **Draw motion area**, take your mouse and draw a rectangular area where you want the camera to detect the motion. If you want to remove the motion detection area select **Erase motion area** and the red

blocked area will disappear. If you click the Clear

button too it will also

remove the motion detection area. If you click the **Refresh Image Refresh Image** button it will do as said. This is useful when the camera is out of focus and comes back into focus at a later stage. Once you have set all setting options click **Apply**.

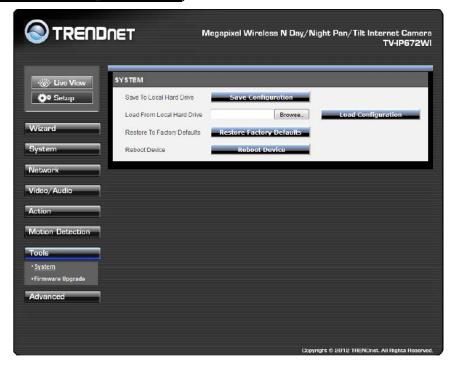
<u>Tools</u>

System

These settings allow you to save the recorded data to your local hard drive or retrieve it from the drive. When you click the **Save Configuration**

Save Configuration button it saves a database file to your local system. When you want to access recorded data from your hard drive, click the **Browse** button, locate the file on your hard drive and to display the data click **Load Configuration**

Load Configuration



 When you want to reset the camera to system default, click the Restore Factory

 Defaults
 Restore Factory Defaults

 button to reset the system. If the system is not working properly for any reason, you can reboot the system by clicking the

 Reboot Device
 Button.

Firmware Upgrade

These settings display the **Current Firmware Version** and the **Current Firmware Build Number**.

To do the **Firmware Upgrade**, locate the path of your upgrade file by clicking the browse button and click the **Upload** button to upgrade the firmware.

S TREND	ÎNET	Megapixel V	Vireless N Da	y/Night Pan/Ti	lt Internet Camera TV-IP672WI
·ö· Live View	FIRMWARE INFORMATION Current Firmware Version: Current Firmware Build Number	1.0.0			
Wizard System Network	Current MCU Firmware Version FIRMWARE UPGRADE File Path:	Cxc Browee	Upload	1	
Video/Audio Action					
Motion Detection Tools • System • Firmware Upgrade					
Advanced					
				Copyright © 2012 TRE	NDnct. All Rights Reserved.

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Advanced

Log

These settings display the Current Log of the device. Click the Clear Download button to download a

Clear

button to reset the log or click the Download file in txt format.

	DNET	Megapixel Wireless	5 N Day/Night Pan/Tilt Internet Camer TV-IP672W
· Cive View	CURRENT LOG		
Of Setup	2011-01-01 04:14:5 2011-01-01 04:03:4	8 admin is streaming video. 5 admin is streaming video. 2 admin is streaming video.	
Wizard	2011-01-01 07 59:2 2012-01-01 04:01 1	3 admin is streaming video. 0 admin is streaming video. 1 admin is streaming video.	
System	2012-01-01 04:06:2	8 admin is streaming video. 9 admin is streaming video. 9 admin is streaming video.	
Network	2012-01-01 05:35:1	0 admin is streaming video. 6 admin is streaming video.	
Video/Audio	2012-01-01 09:22:5	2 admin is streaming video. 8 admin is streaming video.	
Action	2012-01-01 09 27 2	5 admin is streaming video.	
Motion Detection	Clean	Download	
Tools			
Advanced • Device Info			
• <u>Log</u>			
			Copyright © 2012 TRENDnet. All Rights Reserve

For more monitoring features, please refer to SecurView Pro software user's guide for details.

Device Info

These settings display the Device information to you. It comprises of all the important details regarding the phones network settings. The description is laid out in the picture below.

	DNET	Megapixel Wireless N Day/Night Pan/Tilt Internet Camera TV-IP672WI
· Ö: Live View	INFORMATION	
Ö [©] Setup	Camera Name	TV-IP672WI
	Time & Date	Jan 1 10:37:59 2012
Wizard	Firmware Version	1.0.0
VVIZOI G	Firmware Build Number	1120
System	MAC Address	00:1A:55:6F:2A:73
Network	IPv4 Address	192.168.0.100
Network	IPv4 Subnet Mask	255.255.255.0
Video/Audio	IPv4 Default Gateway	192.168.0.1
Action	IPv4 Primary DNS	192.168.0.1
Action	IPv4 Secondary DNS	
Motion Detection	PPPoE Status	Disabled
Tools	DDNS Status	Disabled
Advanced		
• Device Info		
• Log		
		Copyright © 2012 TRENDnet. All Rights Reserved.

TV-IP672W / TV-IP672WI

TRENDnet User's Guide

How to setup/access the camera remotely

You can either setup the Dynamic DNS connection via camera itself or your home router. An account from any of the listed DDNS providers is required prior to this operation.

Configure DDNS on your Camera

1. Go to Camera's **DDNS Setting** page; click **Enable** to activate the feature. Then select a DDNS provider from the list.

	DDNS Setting:	Enable		
		Provider:	www.dyndns.com	•
		Host Name:	www.dyndns.com members.easydns.com web.easydns.com	
		User Name:	www.EuroDynDNS.org	
		Password:	www.no-ip.com www.ovh.com	
ł			www.regfish.com	

2. Enter your DDNS's the Host Name, User Name and Password.

DDNS Setting:	Enable Provider: Host Name: User Name: Password:	www.dyndns.com trendnet.dyndns.org trendnet
UPnP:	Enable	
Ports Number:	HTTP Port:	9000 (default: 80)
Apply Cancel		

- 3. In the **Port Number** section, assign an HTTP port of the camera. The default HTTP Port on the camera is 80. The example shows above is using port number 9000.
- 4. Open another web browser and go to your Router's Web Configuration page. (In the example, TRENDnet's TEW-651BR Wireless N router is used)

			150Mbps Wirel	ess N Home Route TEW-651E	
Main	Virt	ual Server			Неір
Wireless					
Status		Enable	🔘 Enable 🧕	Disabled	
Routing		Name			
-		Protocol	TCP 🔻		
Access	-	Private Port			
 Filter <u>Virtual Server</u> 		Public Port			
Special AP		LAN Server			
• DMZ		2.41 001101	Add	Update	
Firewall Rule			Delete	Cancel	
Management					
Tools		1	lame	Protocol	LAN Server
		Virtual Server F1	ſP	TCP 21/21	0.0.0.0
Wizard		Virtual Server H	TTP	TCP 80/80	0.0.0.0
		Virtual Server H	TTPS	TCP 443/443	0.0.0.0
		Virtual Server D	NS	UDP 53/53	0.0.0.0
		Virtual Server SI	MTP	TCP 25/25	0.0.0
		Virtual Server P	OP3	TCP 110/110	0.0.0.0
		Virtual Server Te	elnet	TCP 23/23	0.0.0.0
		PPTP		TCP 1723/1723	0.0.0.0
		NetMeeting		TCP 1720/1720	0.0.0.0

Go to Virtual Server* section and create a new entry.
 Enable: Click Enable

Name: Enter the application name (eg. CameraName) Protocol: Select TCP

Private Port: The HTTP port that you assign on your Camera.Public Port: The port used on remote side to access to your Camera.LAN Server: The local IP address of your Camera.

Virtual Server	Нер
Enable	Enable Disabled
Name	IP Camera
Protocol	TCP 🔻
Private Port	9000
Public Port	9000
LAN Server	192.168.1.101
	Add Update Delete Cancel

TV-IP672W / TV-IP672WI

Then click **Add** to add the application.

* Please refer to your router's user's manual for detail **Virtual Server** setting. Some router might use **Port Forwarding** or **Special applications** for this function. The setup steps should be very similar.

	Name	Protocol	LAN Server
	Virtual Server FTP	TCP 21/21	0.0.0.0
	Virtual Server HTTP	TCP 80/80	0.0.0.0
	Virtual Server HTTPS	TCP 443/443	0.0.0.0
	Virtual Server DNS	UDP 53/53	0.0.0.0
	Virtual Server SMTP	TCP 25/25	0.0.0.0
	Virtual Server POP3	TCP 110/110	0.0.0.0
	Virtual Server Telnet	TCP 23/23	0.0.0.0
	PPTP	TCP 1723/1723	0.0.0.0
	NetMeeting	TCP 1720/1720	0.0.0.0
V	IP Camera	TCP 9000/9000	192.168.1.101

6. Open another web browser and enter your DDNS domain and camera's port number.

http://yourDomainName:PortNumber

Ø New Tab - Windows Internet Explorer		
00-	http://trendnet.dyndns.org:9000	

7. Camera's login page will appear.

Configure DDNS on your router

1. Go to Camera's **DDNS** → **Ports Number** section, assign a HTTP port for your camera and click **Apply**.

DDNS Setting:	Enable Provider: Host Name: User Name: Password:	www.dyndns.com
UPnP:	Enable	
Ports Number:	HTTP Port:	9000 (default: 80)
Apply Cancel		

2. Login to your router's web configuration page. Find the **Dynamic DNS** configuration section.

	DNET	150Mbps Wireless N Home Router TEW-651BR
Main • LAN & DHCP Server	Dynamic DNS	Help
• WAN • Password	DDNS	C Enabled Disabled
• Time	Server Address	DynDns.com 💌
Dynamic DNS	Host Name	
Wireless	User Name	
Status	Password	••••••
Routing		Cancel Apply
Access		
Management		
Tools		
Wizard		
		Copyright © 2009 TRENDnet. All Rights Reserved.
		Copyright © 2009 THENDhet. All Rights Reserved.

3. Enable DDNS, fill out the following information and then click **Apply**.

Dynamic DNS	Help	
DDNS	enabled Disabled	
Server Address	DynDns.com 👻	
Host Name	trendnet.dyndns.org	
User Name	trendnet	
Password	Password ••••••	
	Cancel Apply	

4. Go to **Virtual Server*** section and create a new entry.

Enable: Click Enable

Name: Enter the application name (eg. Camera Name) Protocol: Select TCP

Private Port: The HTTP port that you assign on your Camera. **Public Port:** The port used on remote side to access to your Camera.

LAN Server: The local IP address of your Camera.

Virtual Server	Help
Enable	Enable Disabled
Name	IP Camera
Protocol	TCP 🔻
Private Port	9000
Public Port	9000
LAN Server	192.168.1.101
	Add Update Delete Cancel

Click Add to add the application.

* Please refer to your router's user's manual for detail **Virtual Server** setting. Some router might use **Port Forwarding** or **Special applications** for this function. The setup steps should be very similar.

5. Open another web browser and enter your DDNS domain and camera's port number.

http://yourDomainName:PortNumber

Ø New Tab - Windows Internet Explorer

)

6. The camera login page will appear.

TV-IP672W / TV-IP672WI

Technical Specifications

TV-IP672W

Camera	
General	Sensor: 1/4" CMOS Sensor
	Board Lens
	Focal Length: 4mm
	F/No: 1.5
	Minimum illumination: 1 lux
	Focus Depth: 20 cm ~ infinity
	View:
	Horizontal: 51.8 degrees
	Vertical: 33.8 degrees
	Diagonal: 59.6 degrees
	Digital Zoom: 4x
Audio	Built-in omni-directional microphone
	Sensitivity: -40dB +/- 3dB (5 meters max.)
	Frequency: 100~20000Hz
	S/N: >60dB
	Format: PCM/ADPCM
	External speaker output (speaker sold separately)
	Two-way audio with echo canceling
Pan & Tilt	Pan: -170° ~ +170°
	Tilt: up 90°and down 25°
	Auto-Patrol preset positions: 10
Hardware	
Network	IEEE 802.3u 10/100Mbps Auto-MDIX Fast Ethernet
LED	Power, Link/Act
WPS Button	Enable WPS connection
Reset Button	Reset to factory default
Privacy Button	Privacy mode on/off

Power Consumption	Max. 10.5 watts
Power	Input: 100~240V, 50/60Hz 0.5A
	Output: 12V, 1.25A external power adapter
Dimension	113 x 113 x 130 mm (4.5 x 4.5 x 5.1 in.)
Weight	503 g (1.1 lb.)
Temperature	Operating: 0°C ~ 40°C (32°F ~ 104°F)
	Storage: -25°C ~ 70°C (-13°F ~ 158°F)
Humidity	Max. 90% (non-condensing)
Certifications	CE, FCC
Requirement	
Management	Internet Explorer 7.0 or above
Interface	Firefox, Safari, and Chrome
To Run software	Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit)
	Windows Server 2003, 2008
SecurView Pro	Channel: supports up to 32 cameras
Software	Record/Playback/Motion Detection/Audio
Network Protocols	IPv4, ARP, TCP, UDP, ICMP
	DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client
	НТТР
	Samba Client
	РРРоЕ
	UPnP
	RTP (Real Time Protocol)
	RTCP (Real Time Control Protocol) RTSP (Real Time Streaming Protocol)
	3GPP (video only)
Musless	
Wireless	
Standard	IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n
Frequency	2.4 ~ 2.483 GHz ISM band

TV-IP672W / TV-IP672WI

Antenna	1 x detachable 2dBi dipole antenna (Reverse-SMA connector)
Date Rate	802.11b: up to 11Mbps
	802.11g: up to 54Mbps
	802.11n: up to 150Mbps
Security	64/128-bit WEP, WPA/WPA2-PSK
Output Power	802.11b: 17dBm (typical)
	802.11g: 15dBm (typical)
	802.11n: 14dBm (typical)
Receiving Sensitivity	802.11b: -88dBm at 11Mbps 802.11g: -74dBm at 54Mbps 802.11n: -68dBm at 150Mbps
Channels	1~11 (FCC), 1~13(ETSI)
Management	
System	Web based administration
	NIPCA support
Access	Up to 20 user accounts
Backup / Restore	Save/retrieve configuration files
Log	System log up to 500 entries
Micro SD	View, download, delete files
	Format and remove Micro SD card
Settings	
Image	Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black & white, indoor, outdoor, schedule mode
	Shutter: 1/3.25s, 1/7.5s, 1/10s, and 1/15s
Video Setting	Profile 1: H.264/ MPEG-4
	 Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96 Max frame rate: 30fps
	Profile 2: H.264/ MPEG-4
	 Resolution: 640 x 400, 320 x 192, 160 x 96 Max frame rate: 30fps
	Profile 3: MJPEG

	 Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96 Max frame rate: 1280 x 800 @ 5fps, 640 x 400/320 x 192@30fps JPEG quality: Low, Fair, Standard, Good, Excellent Profile 4: H.264/MPEG-4
	 Resolution: 640 x 400, 320 x 192, 160 x 96 Max frame rate: 30fps RTSP: <u>http://ipcamera_ip/3gpp</u>
3GPP	Audio format/AMR
	Video format/MPEG4 Protocols/RTSP, RTP, RTCP
Recording	Resolution: Define individual resolution for up to 4 profiles
	Required storage: 32MB (minimum per profile)
	Recording type: event based (motion detection), continuous, and scheduled
Event Action	Trigger event: motion detection Action: send real-time snapshot or video recording to FTP or email
Port Settings	HTTP port: 80 (default) RTSP port: 554 (default)
Time	Synchronize with NTP server or set time / date manually

TV-IP672WI

Camera	
General	Sensor: 1/4" CMOS Sensor
	Board Lens
	Focal Length: 4mm
	F/No: 1.5
	Minimum illumination: 0 lux
	Focus Depth: 20 cm ~ infinity
	View:
	Horizontal: 51.8 degrees
	Vertical: 33.8 degrees
	Diagonal: 59.6 degrees

TV-IP672W / TV-IP672WI

	Digital Zoom: 4x
Audio	Built-in omni-directional microphone
	Sensitivity: -40dB +/- 3dB (5 meters max.)
	Frequency: 100~20000Hz
	S/N: >60dB
	Format: PCM/ADPCM
	External speaker output (speaker sold separately)
	Two-way audio with echo canceling
Pan & Tilt	Pan: -170° ~ +170°
	Tilt: up 90°and down 25°
	Auto-Patrol preset positions: 10
Day/Night	Built-in ICR
	Night vision (IR) supports up to 7.5 meters
Hardware	
Network	IEEE 802.3u 10/100Mbps Auto-MDIX Fast Ethernet
LED	Power, Link/Act
WPS Button	Enable WPS connection
Reset Button	Reset to factory default
Privacy Button	Privacy mode on/off
Power Consumption	Max. 10.5 watts
Power	Input: 100~240V, 50/60Hz 0.5A
	Output: 12V, 1.25A external power adapter
Dimension	113 x 113 x 130 mm (4.5 x 4.5 x 5.1 in.)
Weight	515 g (1.13 lb.)
Temperature	Operating: 0°C ~ 40°C (32°F ~ 104°F)
	Storage: -25°C ~ 70°C (-13°F ~ 158°F)
Humidity	Max. 90% (non-condensing)
Certifications	CE, FCC
Requirement	

	later at 5 mile and 7.0 cm channel
Management Interface	Internet Explorer 7.0 or above
	Firefox, Safari, and Chrome
To Run software	Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit)
	Windows Server 2003, 2008
SecurView Pro	Channel: supports up to 32 cameras
Software	Record/Playback/Motion Detection/Audio
Network Protocols	IPv4, ARP, TCP, UDP, ICMP
	DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client
	нттр
	Samba Client
	РРРоЕ
	UPnP
	LLTD
	RTP (Real Time Protocol)
	RTCP (Real Time Control Protocol)
	RTSP (Real Time Streaming Protocol)
	3GPP (video only)
Wireless	F
Standard	IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n
Frequency	2.4 ~ 2.483 GHz ISM band
Antenna	1 x detachable 2dBi dipole antenna (Reverse-SMA connector)
Date Rate	802.11b: up to 11Mbps
	802.11g: up to 54Mbps
	802.11n: up to 150Mbps
Security	64/128-bit WEP, WPA/WPA2-PSK
Output Power	802.11b: 17dBm (typical)
	802.11g: 15dBm (typical)
	802.11n: 14dBm (typical)
Receiving Sensitivity	802.11b: -88dBm at 11Mbps
	802.11g: -74dBm at 54Mbps
	802.11n: -68dBm at 150Mbps

Channels	1~11 (FCC), 1~13(ETSI)	
Management	Management	
System	Web based administration NIPCA support	
Access	Up to 20 user accounts	
Backup / Restore	Save/retrieve configuration files	
Log	System log up to 500 entries	
Micro SD	View, download, delete files Format and remove Micro SD card	
Settings		
Image	Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black & white, indoor, outdoor, schedule mode Shutter: 1/3.25s, 1/7.5s, 1/10s, and 1/15s	
Video Setting	Profile 1: H.264/ MPEG-4 - Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96 - Max frame rate: 30fps Profile 2: H.264/ MPEG-4 - - Resolution: 640 x 400, 320 x 192, 160 x 96 - Max frame rate: 30fps Profile 3: MJPEG - - Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96 - Max frame rate: 1280 x 800 @ 5fps, 640 x 400/320 x 192@30fps - JPEG quality: Low, Fair, Standard, Good, Excellent Profile 4: H.264/MPEG-4 - - Resolution: 640 x 400, 320 x 192, 160 x 96 - Max frame rate: 30fps	
3GPP	- RTSP: <u>http://ipcamera_ip/3gpp</u> Audio format/AMR Video format/MPEG4 Protocols/RTSP, RTP, RTCP	
Recording	Resolution: Define individual resolution for up to 4 profiles Required storage: 32MB (minimum per profile)	

	Recording type: event based (motion detection), continuous, and scheduled
Event Action	Trigger event: motion detection
	Action: send real-time snapshot or video recording to FTP or email
Port Settings	HTTP port: 80 (default)
	RTSP port: 554 (default)
Time	Synchronize with NTP server or set time / date manually

Troubleshooting

1. The Power LED and Ethernet Activity LED do not light up.

The power supply or camera might be faulty. Check that the connection to both the power source and the terminal on the back of the camera are secure and that you are using the provided power supply. If the camera is otherwise functioning correctly, the LEDs might have been disabled in the configuration. See the section of this guide on Configuration of System settings.

2. The camera can't be accessed or access is slow

There might be a problem with the network cable. To confirm that the cables are working, ping the address of a known device on the network. If the cabling is OK and your network is reachable, you should receive a reply similar to the following (...bytes = 32 time = 2 ms).

Another possible problem may be that the network device such as a hub or switch utilized by the Network Camera is not functioning properly. Please confirm the power for the devices are well connected and functioning properly.

3. The camera can be accessed locally but not remotely

This might be caused by a firewall. Check the Internet firewall with your system administrator. The firewall may need to have some settings changed in order for the Network Camera to be accessible outside your local LAN. For more information, please refer to the section about installing your camera behind a router.

Make sure that the Network Camera isn't conflicting with any Web server you may have running on your network.

The default router setting might be a possible reason. Check that the configuration of the router settings allow the Network Camera to be accessed outside your local LAN.

4. White vertical lines appear on the image from the camera

It could be that the CMOS sensor (a square panel situated behind the lens that measures the light signals and changes it into a digital format so your computer can present it into an image that you are familiar with) has become overloaded when it has been exposed to bright lights such as direct exposure to sunlight or halogen lights. Reposition the Network Camera into a more shaded area immediately as prolonged exposure to bright lights will damage the CMOS sensor.

5. The camera images are 'noisy'

Often if the camera is in a low-light environment, the images can contain a lot of noise. Try enabling Night mode and see if that improves the image quality. Otherwise, try to use the camera in a location where there is a bit more light.

6. The camera images are of poor quality.

Make sure that your computer's display properties are set to at least 16-bit color. Using 16 or 256 colors on your computer will produce dithering artifacts in the image, making the image look as if it is of poor quality.

Try also adjusting the brightness, contrast, saturation, light frequency and antiflicker controls on the Video Settings under the Configuration menu. You may also consider adjusting the resolution of the camera and the compression rate to improve the image.

7. Video can't be viewed through the web browser interface.

ActiveX might be disabled. If you are viewing the images from Internet Explorer make sure ActiveX has been enabled in the Internet Options menu. You may also need to change the security settings on your browser to allow the ActiveX plug-in to be installed.

If you are using Internet Explorer with a version number lower than 6, then you will need to upgrade your Web browser software in order to view the streaming video transmitted by the Network Camera. Try also viewing the video using Java. Ensure that you have the latest version of Java installed before you do. Go to www.java.com for more information.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Europe - EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

EN 60950-1: 2006 +A11:2009

Safety of Information Technology Equipment

EN 62311: 2008

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz-300 GHz)

(IEC 62311:2007 (Modified))

EN 300 328 V1.7.1: (2006-10)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EN 301 489-1 V1.8.1: (2008-04)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN 301 489-17 V2.1.1 (2009-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.



ت Česky [Czech]	TRENDnet tímto prohlašuje, že tento TV-IP672W / TV-IP672WI je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
da Dansk [Danish]	Undertegnede TRENDnet erklærer herved, at følgende udstyr TV- TV-IP672W / TV-IP672WI overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
de Deutsch [German]	Hiermit erklärt TRENDnet, dass sich das Gerät TV-IP672W / TV- IP672WI in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
et Eesti [Estonian]	Käesolevaga kinnitab TRENDnet seadme TV-IP672W / TV-IP672WI vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, TRENDnet, declares that this TV-IP672W / TV-IP672WI is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente TRENDnet declara que el TV-IP672W / TV-IP672WI cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
ຍໄΕλληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ TRENDnet ΔΗΛΩΝΕΙ ΟΤΙ TV-IP672W / TV- IP672WI ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
fr Français [French]	Par la présente TRENDnet déclare que l'appareil TV-IP672W / TV- IP672WI est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
it Italiano [Italian]	Con la presente TRENDnet dichiara che questo TV-IP672W / TV- IP672WI è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo TRENDnet deklarē, ka TV-IP672W / TV-IP672WI atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to

	saistītajiem noteikumiem.
🗈 Lietuvių [Lithuanian]	Šiuo TRENDnet deklaruoja, kad šis TV-IP672W / TV-IP672WI atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart TRENDnet dat het toestel TV-IP672W / TV- IP672WI in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
mtMalti [Maltese]	Hawnhekk, TRENDnet, jiddikjara li dan TV-IP672W / TV-IP672WI jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
իսMagyar [Hungarian]	Alulírott, TRENDnet nyilatkozom, hogy a TV-IP672W / TV-IP672WI megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
린Polski [Polish]	Niniejszym TRENDnet oświadcza, że TV-IP672W / TV-IP672WI jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
₽ Português [Portuguese]	TRENDnet declara que este TV-IP672W / TV-IP672WI está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
डी Slovensko [Slovenian]	TRENDnet izjavlja, da je ta TV-IP672W / TV-IP672WI v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	TRENDnet týmto vyhlasuje, že TV-IP672W / TV-IP672WI spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
fi]Suomi [Finnish]	TRENDnet vakuuttaa täten että TV-IP672W / TV-IP672WI tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
ङणSvenska [Swedish]	Härmed intygar TRENDnet att denna TV-IP672W / TV-IP672WI står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TV-IP672W / TV-IP672WI – 3 Years Warranty

AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1 year warranty.

If a product does not operate as warranted during the applicable warranty period, TRENDnet shall reserve the right, at its expense, to repair or replace the defective product or part and deliver an equivalent product or part to the customer. The repair/replacement unit's warranty continues from the original date of purchase. All products that are replaced become the property of TRENDnet. Replacement products may be new or reconditioned. TRENDnet does not issue refunds or credit. Please contact the point-of-purchase for their return policies.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet within the applicable warranty period and providing a copy of the dated proof of the purchase. Upon proper submission of required documentation a Return Material Authorization (RMA) number will be issued. An RMA number is required in order to initiate warranty service support for all TRENDnet products. Products that are sent to TRENDnet for RMA service must have the RMA number marked on the outside of return packages and sent to TRENDnet prepaid, insured and packaged appropriately for safe shipment. Customers shipping from outside of the USA and Canada are responsible for return shipping fees. Customers shipping from outside of the USA are responsible for custom charges, including but not limited to, duty, tax, and other fees.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACE. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATE, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

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