

Neposmart NS14WG Indoor and NS14BG Outdoor Camera Web App User Manual

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Using the Desktop Web Interface

Neposmart has a desktop web interface that can be accessed from Mac OS X, Windows, and Linux. You can use this interface to view video from your Neposmart, use Neposmart to open and close your garage door, and adjust advanced Neposmart settings from your web browser.

Note: On Mac OS X, you will need to launch your terminal and type: qtdefaults write TransportSettings HTTP 80 and change the audio compression to G.711 to view video from Neposmart and hear the audio. If your image still does not appear, reboot your Mac and relaunch the web browser.



Using the Desktop Video View



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You can use Neposmart to view and control your garage by clicking on "Video View" (A) in the main menu.

The control panel **B** that appears on the right allows you to control the camera in Neposmart an open and close your garage door.

On the top of the screen, you can select which video stream from Neposmart you would like to view. Each stream has a different resolution, so you can pick one that suits you depending on the speed of your network connection. You can see the resolutions of each stream below.





If you are using Microsoft Internet Explorer, you can also view video from multiple Neposmart devices at one time. You can choose to view video from one device, or if you have two to four devices, you can choose the view divided into quadrants. If you have more than four devices, pick the view divided into nine frames. You can find more information on viewing video from multiple Neposmart devices in the section on viewing video from multiple Neposmart devices using Internet Explorer.



This directional pad allows you to pan and tilt the camera in Neposmart. Clicking the circle button in the center of the pad centers the camera, and clicking the square button stops the camera as it is panning or tilting. There may be some lag in the video depending on the speed of your connection.



Neposmart can remember up to eight different positions for the internal camera. You can set these positions depending on your preference. For instance, you could set your Neposmart to point at the garage door or to your car. These eight positions are called "Presets" and are numbered from one to eight. To use this feature, use the large round pad with arrow buttons to position the camera in Neposmart to your liking. Click "Preset" to choose which preset you would like to assign this position to. Click "Set" to make Neposmart learn this position. You can make Neposmart quickly and smoothly move to one of your pre- set positions by choosing a preset and clicking "Call."



You can also sweep the internal camera in Neposmart side to side or up and down by simply clicking either the pan (horizontal sweep) or tilt (vertical sweep) buttons which are two double-ended arrow buttons. The camera in Neposmart will return to the initial position it was in after it has finished making a full sweep.



If you are using Internet Explorer, you may also see a number of additional buttons. You need to disable User Access Control in Windows to use these features. You can take snapshots of the video from Neposmart by clicking on the camera icon. You can also record a clip of the video from Neposmart by clicking the film icon.



Additionally on Windows, you may see two other icons. The SD card icon allows you to view snapshots and clips stored on an SD card inserted into Neposmart. You can find more information on using SD cards later in this chapter. The play button allows you to play recorded video clips.



You can access the Neposmart web setting by clicking "Settings." Clicking the "Home Page" button returns you to the main menu.

If you like, you can use Neposmart to open and close your garage door by clicking "Garage Control."



If you are using Windows, you may also see a status bar under the video. On the left of the status bar is the connection status of the Neposmart. On the right of the status bar are a number of buttons. You can zoom using the + and – buttons. The circle icon zooms out completely. The other three buttons allow you to set the folder where snapshots and video clips from the Neposmart are stored, mutes and unmutes the internal or external Neposmart microphone and mutes and unmutes any speakers connected to Neposmart.

Viewing Video Using VLC Media Player

You can view the video (and sound) from Neposmart (although you can't control the camera or the garage) using VLC on Windows, Mac OS X, and Linux. To do this, click "File" then click "Open Network..." In the URL field, type rtsp://<Neposmart IP Address>. (For example, if the IP address of your Neposmart is 192.168.1.100, type rtsp://192.168.1.100). Click "Open," and a popup window will open. Enter the username and password of Neposmart and click "OK." A window will then open, allowing you to see and hear what the camera and microphone in your Neposmart sees and hears.

🛓 RTSP aut	hentication	?	x
Please ente	r a valid login name and	l a pas	ssword.
User name	admin		
Password	•••••		
	Ok	Ca	ancel

To view the second stream, you can enter rtsp://<Neposmart IP Address>/12. To view third stream, change /12 to /13.



Web on Internet Explorer and Neposmart Control on Windows

An enhanced web interface with additional features is available for Microsoft Internet Explorer. It allows you to view video from multiple Neposmart devices at one time. You can also use the Neposmart application for Windows to view video from multiple Neposmart devices at one time.

Viewing Multiple Neposmart Devices in Internet Explorer

1. The web interface for Internet Explorer allows one to view video from multiple Neposmart units. To enable this feature, open the Neposmart web interface by entering the IP address of your Neposmart. For example, if your IP address is 192.168.1.15 and your port number is 80, you would enter http://192.168.1.15:80 into your web browser.

2. A popup window will ask you to log in. Enter admin as the username and the password for your Neposmart in the password field.

3. If you did not do this when you initially installed Neposmart, click "Download ActiveX for Windows."

4. Click "Settings" (A) and the Setting screen will be displayed. Click "Advanced Settings" on the left panel of the setting screen and then click Multiview Settings (B)

5. You can add up to nine Neposmart devices for simultaneous viewing. You can find connected Neposmart devices in the Available Devices on list. To add another Neposmart device, click "Device 2" then choose a device listed in the "Available Devices" list. Enter the username and password for the Neposmart device you are adding, and click "Add."
When you are finished adding devices, click "Submit."



Welcome

Menu :

Video View

Mobile View

Settings —

Download ActiveX for Windows

VIEW VIDEO	Multiview Settings				
MEDIA SETTINGS		Multiview Setti	ngs		Available Devices
NETWORK SETTINGS	The 1st device				92 168 1 14) 192 168 1 16)
OR/GARAGE SETTINGS	<u>The 2nd device</u> Camera Name:			005mzdt(192.168.1.21) 92.168.1.73)
MOTION/ALARM	-	192.168.1.14		o o o non o n	
ADVANCED	HTTP Port Number:	2330	E		(D)
	User Name:	admin			
Device User Accounts	Password:				
Snapshots		Add Remove			Refresh
SD Card Recording	The 3rd device				AV 771
Email Configuration	The 4th device The 5th device				
FTP Configuration	The 6th device	and the second se			
Multiview Settings	The 7th device		0		
Camera Pan/Tilt	The 8th device	None	(F)		

6. Click "Video View" to view video from the Neposmart devices that you have added. If you have two to four cameras, choose the view divided into quadrants in H If you have more than four cameras, you may choose the view divided into nine sections. You can pan and tilt the cameras in individual Neposmart devices or change the settings of each device.



7. Each Neposmart has a status bar ① On the left of the status bar is the connection status of the Neposmart. On the right of the status bar are a number of buttons. You can zoom using the + and – buttons. The circle icon zooms out completely. The other three buttons allow you to set the folder where snapshots and video from the Neposmart are stored, mutes and unmutes the internal or external Neposmart microphone and mutes and unmutes any speakers connected to Neposmart.

Advanced Settings and Features

If you like, you can access Neposmart from nearly any device with a web browser. This allows you to view and control your garage as well as change advanced Neposmart settings.

Neposmart Web Settings

Neposmart web settings allow you to change settings (A) on Neposmart and set up advanced features. (B) You can access it from nearly any device with a web browser. There are a number of ways to open web settings. You may go to the Neposmart app in Android and iOS, choose the camera you would like to configure, enter the Settings and press "Launch Neposmart Web App." You can use NeposmartSearch tool on a PC or Mac to search for your camera and open Neposmart via web. You may also open a web browser, enter the IP address of the Neposmart you would like to access, enter the username and password to your Neposmart, then from the main screen tap or click "Settings". (C) The Neposmart web settings interface has two panes. The left pane of the screen shows a list of settings you can change on Neposmart listed by category. Clicking a category on the left pane opens a drawer showing what settings are available in that category. You may also tap or click "Video View" to return you to video view. You can change the settings of Neposmart in the right pane.



Media Settings

"Media Settings" allows you change the quality of the video streamed from Neposmart, the quality of the audio, and image settings.



You can change the settings of each of the three video streams that Neposmart produces here. While you cannot change the resolutions of each video stream, you can set the bit rate and maximum frame rate of each stream. Higher bit rates and frame rates use more data. If you notice flickering in the video from your lights, you can change the frequency setting from 50Hz to 60Hz to reduce or remove the flickering.

You can also control the resolution of the video in the mobile web interface by changing the "JPEG Stream" resolution. A higher resolution will use more data. You can also choose whether a time stamp or device name appears on the video in "Overlay Options."





You can change the audio quality in each of the three video streams here. Neposmart supports G.711 and G.726 audio compression. G.711 produces higher quality audio, but uses more data. You can also turn audio playback for each of the streams on and off. If you like, you can change the volume of the internal or external microphones or speakers by changing the input and output volume.

	Audio Options	
	Input Volume :	65 (1-100)
	Output Volume :	(1-100)
	First stream	
С	Audio Playback :	🔘 On 🔘 Off
	Audio Compression :	G.726 V
	Second stream	
	Audio Playback :	🖸 On 🔘 Off
	Audio Compression :	G.726
	Third stream	
	Audio Playback :	O on O off
	Audio Osmanaian a	

Image 回

Here you can set the brightness, saturation, and contrast of the video from the Neposmart internal camera. You can also turn night mode on and off and disable and enable the night vision lights. Additionally, if you Neposmart is mounted upside down, you can select both "Flip" and "Mirror."

Note: Night Vision Lights is set to Auto by default. Your Neposmart camera is equipped with a photo light Sensor to detect lights. Sometimes, you may want to Close the Night vision lights especially if you place your Neposmart camera in a darker corner viewing a well Lighted room. Since the light sensor is in the camera, it will sense low light condition and will automatically switch to night vision mode which will make the video appears in black and white. To override, you can select Night Vision Lights to Close. You can also use your iPhone or Android phone to enable or disable night mode. In the video mode, shake your phone to activate voice command. Say Turn ON night mode or Turn OFF night mode.

	Brightness :			1	31	
	Saturation :			1	70	
	Contrast :			2	2	
D)	🗍 Flip	Mirror			
	Night Vision Lights : Night Mode :	 Auto Close On Off 				

Network Settings

"Network Settings" allows you to change Neposmart network settings.

NETWORK SETTINGS
Network
Wifi
Remote Access
Onvif Settings



In "Network," you can set the network settings Neposmart will use to connect to your network and to the Internet. You can choose whether Neposmart uses a dynamic IP address (automatically set by your router and may change when the camera is reconnected) or a static IP address (set by you and does not change). If you intend to use Neposmart to control your garage away from home using a web browser, using a static IP address is highly recommended.

Note: If you are using Android, iOS or PC client app to view your video and control your garage, you can leave the IP configuration to Dynamic IP address. The app will auto discover your camera even though IP address and port number changes and there is no need for port forwarding

If you want to use web browser to access your camera remotely with a static IP address, you can click on "Network Settings" then click "Network". Under IP Configuration. select "Fixed IP Address" from the drop down and the current settings will be shown. Click Apply.

Additionally, you can change port settings if necessary. This is only necessary if you have multiple Neposmart cameras that you want to access remotely via the web browser. The HTTP port is used for accessing the Neposmart web interface. The RTSP port is used for accessing the video using program like VLC.



If your Neposmart is connected to your home network using Wi-Fi, click "On" to turn Wi-Fi on. Click "Search" to see a listing of available wireless networks. Click "OK" to select your home wireless network. Alternatively, if you don't see your wireless network (If your network is "hidden" for instance), go back to the preceding screen and enter the name of your Wi-Fi network (Make note of the capitalization) into the field marked "SSID." Select the type of security your network uses under "Network Security Type." Most home networks use WPA2. In the

"WPA Algorithm" select TKIP if you don't know which your home network uses. Next, type the password to your home Wi-Fi network in the "Wi-Fi Password" fields and click "Apply." Click "Check" to check your settings.

Network Settings		
IP Configuration :	Fixed IP Address	
IP Address :	98.76.34.12	
Subnet Mask :	255.255.255.0	
Gateway :	192.168.1.1	
DNS Configuration :	Manual DNS	- F
Primary DNS Server :	192.168.1.1	
Alternate DNS Server :		
Port Settings		
HTTP Port :	80	
	\frown	

If you are using Android, iPhone or PC app with P2P mode, you can access multiple cameras remotely without the need to change these ports.

F	Enable Wifi :	🛇 On 🔘 Off	
	SSID :	MyNetwork	Search
	Network Security Type :	WPA2-PSK	
	WPA Algorithm :	TKIP	
	WiFi Password :		
r	Retype Password :		
	Check Wireless Settings	(Check)	50

Remote Access (G)

If you would like to use Neposmart away from home using a web browser a few of these settings may be useful. DDNS provides you with an easy way to access the Neposmart away from home through a web browser by simply enabling the Manufacturer's DDNS. Each Neposmart camera comes with a unique DDNS URL. For example: http://005mzdq.nwsvr1.com. This URL will resolve to your Neposmart external IP address and port number You will need to enable port forwarding on your router for this feature to work. If you don't want to use the free DDNS service provided by the manufacturer of Neposmart, you can set Neposmart to use another DDNS service in the "Third Party DDNS" section or manually enter the external IP address and port number. For example: if your external IP address is 99.88.77.66, you enter http://99.88.77.66:6264 directly on the address bar of your web browser. UPnP port forwarding can also be used if you have UPnP enabled on your router to automatically forward ports. UPnP is not very secure, as it will allow devices to automatically forward ports without authorization, so enabling it is not recommended unless necessary. If you would like to find your external IP address (useful for connecting to Neposmart away from home), click "Check" (H) A popup window will display your external IP address. next to "Internet IP Address."

Manufacturer's DDNS : On Off Manufacturer's Domain : 005mzdq.nwsvr1.com G Third Party DDNS :) On Off Domain Server : Dyndns.org Username : Password : Your Domain : UPnP Port Forwarding : 🔘 On 🖸 Off Internet ID Address :

Onvif Settings 🕕

Onvif (Open Network Video Interface forum) is a global and open industry forum designed to create a standard for surveillance and security products to communicate with each other. Neposmart supports Onvif 2.0.1 and can be connected with other devices that support Onvif. You can enable it by clicking "On." You can select a port number for it, but the default should be sufficient. If you would like it to prompt you for your username and password when you use Onvif, set "Authorization Check" to "On."

Door/Garage Settings

Enable and disable the garage door control features of Neposmart. It also allows you to enable or disable alerts from your door/garage. You can also change the passwords and usernames for opening and closing the garage door in "Door Users."

DOOR/GARAGE SETTINGS

Door/Garage Control

Garage User Accounts



Motion/Alarm

Motion Detection 🕗

Neposmart can track motion in four different locations and send alerts when motion is detected in those specific areas with varying sensitivity. Neposmart can also take snapshots and video clips when motion is detected and save these snapshots and clips to an SD card send via email, store to a FTP server or directly to your Dropbox account (can be set up using iOS or Android devices).. You can set the sensitivity of each location to your liking.

J			2014-05-01 12:19:
✓ Window1	✓ Window2	₩indow3	Window4
Sensitivity : 50	Sensitivity : 50	Sensitivity : 50	Sensitivity : 50

MOTION/ALARM			
Motion Detection			
Motion Alerts			
Door Sensor			
Alarm Sound			

Alarm Schedule

Motion Alerts 🕓

You can set Neposmart to send alerts when motion is detected. It can save snapshots and video clips to an inserted SD card or connected FTP server for processing. You can also change you email alert settings by clicking "Email Alert Settings" Finally, you can set the internal camera in Neposmart to move to one of the eight pre set positions. The "Relay Out" setting cannot be used when Neposmart is connected to the garage. This feature is automatically disabled when the garage control features are enabled.





This allows you to change the settings of the magnetic switch that allows Neposmart determine whether your garage door is opened or closed. The heavy duty magnetic switch that comes with Neposmart is an N.C. (Normally Closed) sensor. If by chance your Neposmart tells you that the door is opened when it is closed or closed when it is opened, change "Sensor Type" from "N.C." to "N.O."

	M
Alarm Sound:	

Sensor Type : O N.O. (Normally Open) O N.C. (Normally Closed)

Enable Door Sensor

Alarm Sound M

If you are using Neposmart to open and close your garage door, this should be set to "Off".

Alarm Schedule 🕚

You can set a schedule for motion alerts to be active. By default, motion alerts are active 24 hours a day seven days a week. If you don't want motion alerts to be active all the time, you can set it to turn on and off at set times.



Advanced

Neposmart has a number of advanced settings that you can change.

Device User Accounts



There are two different kinds of accounts that can be used to log into Neposmart. Each account has different privileges and abilities. The Camera administrator can change any of the settings of Neposmart. A guest user can view video from Neposmart only and not pan or tilt the internal camera or change any other settings. If you have not changed the passwords of Neposmart when setting it up, change the passwords here to your liking and click "Apply" when you are finished. You may write down and store these passwords in a secure place or memorize them thoroughly.

ADVANCED				
•	Device User Accounts			
	Snapshots			
	SD Card Recording			
	Email Configuration			
	FTP Configuration			
	Camera Pan/Tilt			

Us	er Accounts	Username	Password	Retype Password
Ad	dministrator	admin		
	Guest	visitor		•••••



You can have Neposmart take snapshots at specified intervals and save them to an SD card or connected FTP server. If you don't want Neposmart to be taking snapshots around the clock, you can set a schedule for it here.

Snapsho	ots																											
	Take snapshots	for stora	age on	SD ca	ard eve	ery :			60		S	econ	is															
(P	(P) • sr						Save images to SD card																					
	Take snapshots for storage on FTP server every : 60 Seconds																											
	Save images to FTP server FTP Configuration																											
	Schedule for aut	omatic	snaps	hots :					S	elect	All		Cle	ar Al														
		0	1	2	3	4	5	6	;	7	8	9	10	1	1	12	13	14	15	16	17	18	19	9	20	21	22	23
	Sun							Í			Τ																	
	Mon							\square																				
	Tue																											
	Wed																											
	Thu																											
	Fri																											
	Sat																											



You can have Neposmart record clips of video and save them to an SD card. If you don't want Neposmart to be recording video around the clock, you can set a schedule for this as well. You can set the quality of the video by choosing a stream, and you can set the quality of the stream in "Media Settings."



Email Configuration

In the garage email and alert settings, you can have Neposmart send an email when your garage is opened or closed or motion is detected. First, you must pick an email address from which to send the alerts. When Neposmart sends the alerts, it will be sent from that email address. Enter this into "Sender Email Address" then enter the password for this email account in "Email Password." For the rest of the required information, refer to your email provider's documentation on setting up email accounts on email applications such as Microsoft Outlook, Apple Mail, Mozilla Thunderbird, and other email clients. You will need the SMTP server information and the server port among other things. When you have entered all this information, you can choose email addresses to notify when the garage door is opened or closed. Enter in "Send Alerts To." If you would like Neposmart to send a text message instead, refer to the documentation on your cellular carrier's email to SMS function. A list of email to SMS email addresses can be found at http://www.emailtextmessages.com.

If you are using Verizon for instance, and your number is 2031234567, then you would enter 2031234567@vtext.com in the list of email addresses to send alerts to.

You can customize the messages you receive when an alert is sent as well. When you are finished, tap "Apply" then click "Test" to test your settings. This will send a test message to all of the email addresses and phone numbers you set to receive alerts from Neposmart.

Commonly used SMTP email server:

SMTP Server		Port		Encryptic	n
smtp.gmail.com		465		TLS	
smtp.mail.vahoo.c	om	465		TLS	
SMTP Server Name : sm	ntp.gmail.com	m) s	Server Port 46	SSL
Authentication :	On 🔘	Off		\frown	
Sender Email Address :)	(R)	
Email Password :					
Name of Sender :) (or :	sender email addre	ess)
Send Alerts To :) (En	nail Address 1)	
) (En	nail Address 2)	
) (Em	nail Address 3)	
) (Em	nail Address 4)	
) (En	nail Address 5)	
) (Em	nail Address 6)	
Subject - Motion Detected : Mo	otion Alert)		
Message : Mo	otion Detecte	ed			
Subject - Garage Open :	OPEN **) (Tin	ne and date will be	added
Message : Ga	arage Door (Open			
Subject - Garage Closed :	CLOSED **) (Tin	ne and date will be	added
Message : Ga	arage Door (Closed			
Test settings : T	est Ple	ase click Appl	ly bef	ore clicking Test	



Neposmart can save pictures and video in an external FTP server. Depending on your FTP server, you may be able to sync the save pictures and video from your FTP server to cloud services like Google Drive, Copy, Dropbox, and other cloud storage services. Enter the address of your FTP server and the username and password that you use to access the FTP server. Click "Apply" when you are finished. You may click "Test" to test your settings.

TP Server Address :	
Server Port :	21
Username :	
Password :	
Path :	1
Passive Mode :	On ◯ Off
Test FTP Settings :	Test Please click Apply before clicking Te

Multiview Settings

If you are using Internet Explorer, you will see an additional set of settings called "Multi-view Settings." These settings allow you to view video from multiple Neposmart devices at one time. More information on using this setting can be found in the section on using the Internet Explorer web interface.

Camera Pan/Tilt 🗵

You can set some of the panning and tilting settings of the Neposmart camera here. You can change the number of sweeps the Neposmart camera makes when you press the sweep buttons on the Neposmart desktop web interface (the two arrow buttons). You can also set how fast the Neposmart camera sweeps. Also, you can set Neposmart to center the camera when Neposmart is first turned on



System Settings

Device Information (A)

You can find information about Neposmart here including the device ID, number of people connected and using Neposmart, the type of network connection Neposmart is using, the version of the software running on Neposmart, the MAC address of the device, and the current network information. You can also see when your Neposmart was last turned on. You can also see the status of an inserted SD card, browse the files in the card and format the card. To safely remove the SD card, click "Eject SD Card."



	A
Device ID : 011abcd	
Connected Clients : 4	
Network Connection : Wired Connection	
Software Version : V0.1.2.30]
Web Version : V0.0.0.7	
MAC Address : 78:A5:DD:0A:AA:31	
IP Address : 192.168.1.48	
Subnet Mask : 255.255.255.0]
Default Gateway : 192.168.1.1]
Primary DNS Server : 192.168.1.1]
Alternate DNS Server :	
Last Successful Boot : 2014-12-30 22:14:10	
SD Card Status : [Total Capacity : 495168KB A	vailable : 481232KB]
View Contents of SD Card For	nat SD Card Eject SD Card

Date and Time 🕒

You can change the time and date of the Neposmart internal clock. You can choose whether Neposmart uses the network to set the clock automatically (using the network time protocol), set the time zone, set the clock based on the clock in your computer, and automatically adjust the clock for daylight savings time.

Current Date & Time :	2014-12-31 13:23:03 B
Use Network Time Protocol	
NTP Server :	time.windows.com T
Time Zone	(GMT-08:00) Pacific Time (America & Canada)
	 Automatically adjust clock for daylight savings
	Sync With Computer Time Apply



You can restart Neposmart, restore factory settings, back up the settings you are using (highly recommended), restore settings from a backup, or upgrade the firmware of Neposmart

Restart Neposmart :	Confirm	C
Restore Factory Defaults :	Confirm	
Backup Settings :	Confirm	
Restore Settings :	Choose File no file selected	Confirm
Upgrade Firmware :	Choose File no file selected	Confirm

System Log

If you are having problems with Neposmart, you may be asked to check the system log of Neposmart by Nepoware support. You can view when Neposmart was last started as well as when different users have connected to it and opened and closed your garage door.

It is often a good idea to keep records of certain settings of your Neposmart so that you can access your Neposmart more easily on the go or if you need to contact Nepoware support. Below is a sample card prefilled with information, and it is recommended that you make a similar card for your own use.

1	Device ID	005mzqq
2	DDNS	005mzqq.nwsvr1.com
3	Non- P2P Device ID	005mzqq
4	Location	Garage Door
5	IP address (Local)	192.168.1.16
6	Port Number	6264
7	Garage Port Number	6700
8	External IP address	24.16.97.108

You can find the device ID, and DDNS printed on the base of Neposmart. You can find the port number of Neposmart in "Network Settings"—>"Network" and find the IP address of Neposmart in "System"—>"Device Information." You can find the port for opening and closing the garage in "Garage Settings"—>"Garage Control."

As you may notice, passwords are not included on this card. Storing the password to Neposmart and the password for opening and closing your garage door separately is highly recommended.