## **IP CAM User Guide**

One of the best features of the Thecus NAS is its nearly unlimited expandability through modules. With new modules, users can extend what the Thecus NAS can do. In this guide, you will learn now to install and use Thecus' latest module: IP CAM Surveillance. With it, you can use the Thecus NAS as an IP Cam server.

You can install the IP CAM module via **Module Management** > **Module Installation**. See the figure below for reference.

Thecus					_	Language: Eng	fish 🗡
Mem	<u>ec</u>						
System Information		Module File	C'fakepath	(IP Cam 2.0.1 mod		Install.	^
🥪 System Management	æ	Module	Management	aller all			
We System Network	1+1	Enable	Name	Version	Description	Action	
: H Storage	(#)	No	IP_Cam	2.0.1	IP Cam	▶ ×	
User and Group Authentication	.+1						
Application Server	.el		Browse				
Module management	1						
Stodule Installation							
System Module							
E Backup	(*)	<					~
						THECUS NO 200 V	3.00.04.5

Next, install the IP CAM module. You can get either from Thecus web site or on the CD shipped with system.

Next, click locate the module file. Then click *Install* to complete the IP CAM module installation.

System Information       Image: C: fiskpath/IP_Cam_2.0.1 mod         System Management       Image: System Network         System Network       Image: System Network         System Active and Group Authentication       Image: System Network         Image: System Network       Image: S	B Install
System Management     System Network     P     System Network     P     Sorage     s      User and Group Authentication     P     Module management     T      Module management     T	
Enable     Name     Version     Description     Activity       Storage     •1       User and Group Authentication     •1       Application Server     •1       Module management     •1	
If Storage       If Storage       If Storage       If Application Server       If Module management	ion
Duer and Group Authentication     Application Server     Server     Authentication	
Application Server	
Module management	
System Module User Module	

Once installation is successful, you should see the module displayed:

Thecus						_	Language: Engi	ish 🌱
Mem	86							
System Information			Module File:	C fakepath	IP Cam 2.0.1 mod		Install	^
System Management	-1		Module	Management				
Wie System Network			Enable	Name	Version	Description	Action	
B Storage			No	IP_Cam	2.0.1	IP Cam	▶ × 4	
25User and Group Authentication								
Application Server	æ							
Addule management	1							
- Sheddle Installation System Module - User Module								
[] Backup	.+J	<				ž.		>
							THECUS M5200 V3	00.04.5

To activate the IP CAM module, click and then confirm to "Enable". See the

figure below for reference.

Enable	Name	Version	Description	Action
No	IP_Cam	2.0.1	IP Cam	> x

The figure below shows the status for IP CAM module after installation. Meanwhile

Enable	Name		Version		Description	Action	
Yes	IP_Cam		2.0.1		IP Cam	×	
900-		8					
System Inf	ormation		Module File:	C:/fal	epath IP_Cam_2.0.1 mod		install
<ul> <li>System Ma</li> </ul>	inagement	Ŧ	Module 1	lanagement			
System Net	twork	E	Enable	Name	Version	Description	Action
E Storage			Yes	IP_Cam	2.0.1	IP Cam	□ ×
User and G	roup Authentication	11					
Application	n Server	(#1					
Module ma	nagement	-					
S Module In:	stallation stol						
Cine Made	* 12						

## IP CAM function is located under System Module of Module Management.

To start setting up the IP CAM function, double click the IP CAM from **System Module** category and the setup screen will appear as below:

Thecus	,			-			
	IP Cam Please	Surveillance setup IP CAM resolu	ition lower than 640:	480 or it will resu	It video compre	ss incomplete.	
	Brand	Location	Interval	Folder	Status	Preview Modify Delete	
			1000	444			

Next, click *Add* to enter the **IP CAM Configure** window. The supported number of IP CAMs in one system is limited to 20. See the figure below for setup details.

Cam Configure	1											
Brand	Afreey ANG	>818G 🗸	1									
Location			5									
URL	The late 101	The second second										
HTTP Potocol	1.1 V	ist name of LP	ed a tessa c gi-bu	nance (bf								
Username		(Limit:0	9, a-2, A-Z)									
Password		(Limit:	0-9, and, Ani	()								
Interval	1 seconds	~										
Folder	naswebsite	~										
hedule												
Schedule State	C Enabled	<ul> <li>Disabled</li> </ul>										
Frequency	Always											
Week Day	Sunday	Monday	Tuesday	Wednesday	🗌 Thursday	Friday	Saturday					
Time	Select Al	L										
	0	1	2	3	4	5	6	7	В	9	10	11
	12	13	14	15	16	17	18	19	20	21	22	23

First, please select IP CAM from **Brand** drop down.

Thecus		
IP Cam Configure	6	
Brand	Afreey ANC-818G	M
Location	Afreey ANC-81.8G SparkLan CAS-370W	
URL	Axis 207 Panasonic BL-C10 Vincesh PL-7137	dfæsstegi-bin/video.jpg
HTTP Potocol	ACM-4201 NetCaro SC 5MP IP	
Username	NetCam XL 3MP	3 ane, AnZ)
Password	SparkLan CAS-673W iPUX CS-1310W	1-9, ave, A-Z)
Interval	User Define	
Folder	naswebsite 🐱	

If "User Define" has been chosen then "Working Device" appears. Click on to lead you connect to "Supported List". See the figure below.

IP Cam Configure		
Brand	User Define	
Location		
URL		
HTTP Potocol	lease search IPEG netcam_url in the motion website Working Devices	
🖉 WorkingDevices < Motion	< Foswiki - Windows Internet Explorer	
COO - Dittp://www.law	rzen dk/Toswiki/bin/view/Motion/WorkingDevices 🛛 🖉 😒 🍫 🗶 🚼 Google	P•
· 檔案 E) 編輯 E) 核親 (Y)	我的最愛(A) 工具(T) 說明(H)	
🗙 灯 Windows Live	☑ ▼ 好友勤向 個人檔案 郵件 相片 行事度	MSN 分享 * 🗹 登入
🖕 我的最爱 🛛 👍 🛃 Par	tner Central Sign-in 🏉 建端的铜芯 🔹 🙋 自訂連結 🔝 免費的 Hotmail 🔊 網頁快訊圖	章 •
🏀 WorkingDevices < Motion < Fo	soviki 🛅 * 🔂 *	🖸 🖶 • 網頁(1) • 安全性(5) • "
		Jump
MOTI	Motion - Working Devices	Search
Motion	NOTE: Motion 3.2.11.1 has been released	
Log In or Register		
Welcome	You are here: Foswiki > Motion Web > WorkingDevices (11	Sep 2009, AngelCarpintero)
		Edit Attach
Motion Web Motion Home	Westing Destant	
Motion Guide	Working Devices	
- Config Options	+ Working Devices	
Downloads	<ul> <li>The following devices have been reported to work with (</li> </ul>	Motion
Support Requests	Digital Dream Co l'espion USB Camera (STV680 (	Chipset)
Bug Reports	<ul> <li>Hawking Tech HNC320W (802 11b) net camera</li> </ul>	
Feature Requests	+ Trust NW-7500 Remote Surveillance Wireless Cal	mera
Motion Patches	<ul> <li>Axis 2100, 210 series net cameras (and quite pos</li> </ul>	sibly most Axis models)
Related Projects	<ul> <li>Intellinet net cameras</li> </ul>	
Mailing List	+ Vivotek net cameras	~
<	Ш	>
	(3) 網際網路	🗳 🛛 🖓 🕶 🔍 100% 💌 .

P.S. The "Supported List" is based on Linux open source which has been tested by 3<sup>rd</sup> party.

Next, enter a location for this IP cam into the **Location** field. For example, you can enter "Office" for an IP Cam that is monitoring your office. The system will create the folder under selected system folder in setting below with inputted location and automatically store recorded video files into it.

IP Cam Configure	
Brand	User Define
Location	Office
URL	Please search IPEG netwam_uil in the motion website Working Devices
HITP Potocol	11 🗸
Username	(Limit: 0-9, e-a, A-Z)
Password	(Limit: 0-9, e-c, A-Z)
Interval	1 seconds 💌
Folder	naswebsite 🗸

With **URL** field, input correct IP address of the IP CAM you have selected. Be sure to fill in the complete URL path. Refer to figure below for reference.

IP Cam Configure	
Brand	SparkLan CAS-370W 💌
Location	Office
URL	http://172.16.66.384/mage.jpg Ex: http://flost.name of IP address/image.jpg
HITP Potocol	1.1 ~
Username	(Limit: 0-9, e-c, A-Z)
Password	(Limit: 0-9, e-2, A-Z)
Interval	1 seconds 🐱
Folder	narwebsite 💌

Next, enter a **Username** and **Password** if the selected IP Cam requires one for access. If not, just leave them blank.

IP Cam Configure	
Brand	Axis 207 🗸
Location	Office
URL	http://172.16.66.38/image.jpg Ex : http://Host name or IP address/jpg/image.jpg
HITP Potocol	1.1 ~
Username	andy (Limit: 0-9, e-c, A-Z)
Password	•••• (Limit: 0-9, a-c, A-Z)
Interval	1 seconds 🗸
Folder	naswebsite 🗸

The **HTTP Protocol** setting is no need to be change from tested IP CAM supported list on drop down menu. In case with "User Define" IP CAM selected, if you have found out picture preview or captured image is abnormal. You may try to change **HTTP Protocol** to 1.0.

IP Cam Configure	
Brand	SparkLan CAS-370W 🗸
Location	Office
URL	http://172.16.66.38/image.jog
	Ex : http://Host name of IP add.ress/image.jpg
HTTP Potocol	1.1 💌
Username	andy (Limit: 0-9, e-s, A-Z)
Password	•••• (Limit: 0-9, a-c, A-Z)

The **Interval** setting depends on the frequency you wish the IP Cam module to take snapshots. Choose the desired interval from the drop down menu.

IP Cam Configure		
Brand	Axis 207	¥
Location	Office	]
URL	http://172.16.6 Ex : http://Host	5.38/image.jpg name or IP address/jpg/image.jpg
HITP Potocol	$1.1 \sim$	
Username	andy	(Limit : 0-9, e-s, A-Z )
Password	••••	(Limit: 0-9, a-2, A-Z)
Interval	1 seconds 👻	1
Folder	1 seconds 2 seconds	
Schedule	5 seconds 10 seconds 60 seconds	

Finally, select a system **Folder** from the drop down. This is the system folder where will create inputted "Location" in sub folder with the pictures will be stored.

IP Cam Configure	
Brand	Afreey ANC-818G
Location	
URL	Ex : http://Host name or IP address/cgi-bin/video.jpg
HTTP Potocol	1.1 ~
Username	(Limit: 0-9, e-c, A-Z)
Password	(Limit : 0-9, a-α, Δ-Ζ )
Interval	1 seconds 💌
Folder	nasvebsite 👻
Schedule	CAM CAM1

The basic IP CAM settings are now complete. You may carry on with configuring the capture schedule right away or do it later on.

If you decide to setup the capture schedule later on, click *Apply* button and system will display the confirmation dialog box.



Click **OK** and the system will bring you back to the **IP Cam Surveillance** window. Please refer to the figure below.

IP Cam Surveillance Please setup IP CAM r	esolution lower	r than 640x48	0 or it will	result video	compress incomplete.
Brand	Location	Interval	Folder	Status	Preview Modify Delete
SparkLan CAS-370W	Office	1 seconds	CAM	Disabled	Preview Modify Delete
		Add			

From the **IP Cam Surveillance** window, you will see three buttons.

The **Preview** button displays the captured screen at the moment it is clicked. It is useful to double check whether the IP Cam is positioned correctly.

The **Delete** button will simply remove associated IP Cam from list when clicked. A confirmation dialog box will appear to confirm your selection.



Clicking the **Modify** button will allow you to modify the various IP Cam settings.

After finishing with the basic settings, we need to now configure the capture schedule . To do this, begin by activating the schedule function by selecting *Enable* in the **Schedule** window.

Schedule State	O Enabled	Oisabled											
Frequency	Always												
Week Day	Sunday	Mondey	Tuesday	Wednesday	Thursday	Friday _	Saturday						
Time	Select All												
	0	1	2	3	4	5	6	7	8	9	10	1	
	12	13	14	15	16	17	18	19	20	21	22	2	

Next, select time slot you want to record through the selected IP Cam.

If *Always* has been selected, it will start to record right away and will not stop until the **Schedule State** is set to **Disabled**.

Schedule State Frequency	⊙ Enabled ⊘Always	🔿 Disabled.										
Week Day	Sunday	Monfley	Tuesday	Wednesday	Thursday	Friday	Seturdey					
Time	Select All											
	0	1	2	3	4	5	6	7	8	9	10	11
		177	E1.			[]	13			- 13		
	12	13	14	15	16	17	18	19	20	21	22	23

Alternatively, you can schedule the IP Cam to capture daily or hourly. Take a look at the example below. It will record every Monday and Tuesday from 2:00 - 6:00 and from 20:00 - 22:00.

Schedule												
Schedule State	💿 Ensbled	🔿 Disabled										
Frequency	Always											
Week Day	🔲 Sunday 🛛	🕑 Mondey 💽	🗸 Tuesday 📋	Wednesday	🔲 Thursday	🔄 Friday 📘	Seturdey					
Time	Select All	L										
	0	1	2	3	4	5	6	7	8	9	10	11
			<b>V</b>	<b>V</b>	<b>V</b>	<b>~</b>						
	12	13	14	15	16	17	18	19	20	21	22	23
									<b>V</b>	$\checkmark$		
		Apply							Back			
										-		

One important point worth mentioning is how captured video is stored. The folder where captured images are stored is the one designated in the **Folder** drop down on the **IP Cam Surveillance** window. See the figure below for reference.



The **Location** will be the one designated in the **IP Cam Surveillance** window. In the example below, the location is "Office":



The IP Cam will capture images according to the designated schedule. The all image files will be stored in the defined sub-folder under Location "Office" ruled "folder\_Location\_pool" temporary, the example for this case is "cam\_Office\_pool".



And the system will compress the images from "cam\_Office\_pool" to video clip every hour named by "Location+Year+Month+hour". Please refer to figure below for reference.

