

## How to Set Up an FTP Server and Upload Snapshots for a Uniview Camera and NVR?



## How to Set Up an FTP Server and Upload Snapshots for a Uniview Camera and NVR?

### Description

**Note:** This method is applicable to most of the scenarios encountered problems, if the method still cannot solve your problem, it is recommended to consult our Tech Support Team. https://global.uniview.com/Support/Service\_Hotline/

### **Operating Steps**

#### Set up for a standalone Uniview camera

#### 1. Uploading scheduled snapshots

**Step 1** Set up a rule for the snapshots under **Setup>Video & Audio>Snapshot** on the camera's web interface.

**Step 1.1** Enable Snapshot and set the resolution and maximum size of snapshots to be saved.

บทิง	📮 Live View	📰 Playback	💽 Photo	🏟 Setup
Common	Snaps	hot 🗕		
Network Video & Audio	Snapsh Resolut Max S	ot tion ize (KB)	<pre>     On Off     720×576     300 </pre>	<b></b>
Audio ROI	Snaps Numb	luled Snapshot hot Interval(s) per to Snapshot	1 ① Schedule ① Repea	
Media Stream	No.	not mode	Snapshot Time	+
Image				
Intelligent Events				
Storage				
Security System				
	S	ave		

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**Step 1.2** Set the snapshot mode.

**Schedule:** Set a time for snapshot. For example, with snapshot interval set to 20s, number to snapshot set to 3, and snapshot time set to 16:00:00, the camera will take a snapshot at 16:00:00, 16:00:20 and 16:00:40.

To delete a snapshot time, click 🗰 .

**Repeat:** Set an interval for snapshot. For example, with snapshot plan set to 16:00:00 to 20:00:00 on Monday, repeat interval set to 120s, snapshot interval set to 20s, and number to snapshot set to 2, the camera will take a snapshot at 16:00:00, 16:00:20, 16:02:00 and 16:02:20.

a. Select **Repeat** and set the repeat interval. A valid repeat interval range is from 1 to 86400.

b. Select the **Enable Snapshot Plan** check box and set the snapshot plan. A 24/7 snapshot plan is enabled by default.

ิ นทิง 🖷	Live View 📰 Playback	💽 Photo	🏟 Setup	
Common	Snapshot			
Network Video & Audio Video	Snapshot Resolution Max. Size (KB)	● On ○ Off 720×576 300	<b>▼</b>	
Snapshot     Audio     ROI     Media Stream	Snapshot Interval(s) Number to Snapshot Snapshot Mode Interval(s)	1 O Schedule @ Repeat	 	
PTZ	Enable Snapshot Plan	]		
Image	Armed	Unarmed		Edit
Intelligent	0 1 2 3 Mon	4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 1	9 20 21 22 23 24
Events	Tue			
Storage	Wed			
Security	Thu			
System	Fri			
	Save			

**Step 1.3** Set the snapshot interval and number to snapshot. For example, if the interval is set to 1s and the number to snapshot is set to 2, the camera will take 2 snapshots (take one first and then take another after 1 second).

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Step 1.4 Click Save.

**Step 2** Set up the FTP server under **Setup>Storage>FTP** and then tick **Upload Images** once the scheduled snapshot is set up in steps above.

unv	🜉 Live View 🔳 Playback 🝙 Photo 🍁 Setup	
Common	FTP	
Network	-Server Parameters FTP Server Info	
Video & Audio	Server IP 172.1.90.110 Upload Images	Convert Path into UTF8
PTZ	Port No. 21 Upload Video	
Image	Usemame admin Overwrite Storage	
Intelligent	Password Overwrite At(image) 1000	
Events		
Storage	Photo Recording	
Storage	Save To:\\ [IP Address]- [[yyyy][A.A.I][dd][HH]] [IP Address]-[Date+HHA.M.SS]-[Photo No.].jpg	
• FTP		1
Security	No. Naming Element	
System		
	4 Disable V	
	5 Disable V	
	6 Disable V	
	Note:Overwrite will take place in the current directory.	
	Save	

#### 2. Uploading alarm snapshots

Step 1 Set up FTP Intelligent Server under Setup>System>Server, and then tick Upload Images and click OK and Save.

	ew 📰 Playback 👔	🖻 Photo	🌣 Setup			
Common	ntelligent Server					
Network	Intelligent Server 1					
Video & Audio	Platform Communication Type	FTP	Configure	FTP		
Image	Enable Intelligent Server 2	Configure FTP				×
Intelligent		Server Parameters			<b>X</b>	 
Events	Note:To transfer images by FTP, yo	Server IP	172.1.90.51	Uple	oad Images	Custom Naming Rules
Storage	Save	Port No.	21	Те	st	Convert Path into UTF8
Security		Username	Admin			
System		Confirm	······			
Time						
▶ Server		Save To:				
Device Info		File Path	File Name			
Maintenance		No.	Naming Element			
Log		1	Disable 🗸			
		2	Disable			
		3	Disable V			
		5	Disable V			
		6	Disable V			
				ОК	Cancel	

**Note:** Platform Communication Type: FTP

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**Step 2** Set up alarm triggered snapshot under **Setup>Intelligent>Smart** and choose a desired smart function.

*Note:* In the following guidance Intrusion Detection will be used for demonstration. And only certain models support this configuration.

Common	Intrusion			
Network	Smart > Intrusion			
Video & Audio	Intrusion Detection			
PTZ	Rule Settings Trigger Ad	ctions Plan		
Image	Conventional	Alarm Output	Storage	PTZ
Intelligent Smart	Upload to FTP	_A→1	<ul> <li>Recording Edge Storage</li> <li>Image Edge Storage</li> </ul>	Trigger Tr Tracking
Advanced Settings			FTP Video Storage	
Events				
Storage		$\backslash$		
Security		$\mathbf{X}$		
System		$\sim$		

**Step 3** Set up the rule and arming schedule. Enable **Upload to FTP** under **Trigger Actions**.

#### Set up for a Uniview camera on an NVR

**Step 1** Set up snapshot schedule under **Setup>Storage>Snapshot Schedule (Web Interface)** or **Menu>Storage>Snapshot Schedule (GUI)**. Enable **Snapshot Schedule** and draw a schedule.

Normal: Scheduled snapshot

**Event:** Human Body Detection/Tempering Alarm/Audio Detection triggered Snapshot

Motion: Motion Detection triggered snapshot (Ultra Motion Detection not included)

Alarm: Manual alarm from alarm input.

**M and A:** Captures images when motion and alarm input occur simultaneously.

**M or A:** Captures images when motion or alarm input occurs.

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Proc	duct						N١	/R								D	ate	12/2	L1/202	3
		ſ	6 m 1						Storage	2										
Camera	Recordin Snapshot			Select Cam	nera chedule	D1	(IP Camera	01)			- C	DEnable	e Redun	dant Sn	apshot					
VCA WCA Network	Array Hard Disk Disk Grou Allocate	c up Space		Mon Tue Wed Thu Fri					10	12	14	16	18	20	22	24		Edit Normal Event Motion		
System	Advanced			Sat Sun Holiday		2	4 6		10	12	14	16	18	20	22	24		Alarm M and A M or A None		
Storage				(Note: Click	a color on	the right	and then i	draw the	schedul	e.)										
Alarm																				
Maintain				Сору	F	pply		Exit												



Step 2Set up snapshot parameters underSetup>Storage>SnapshotSchedule>Snapshot(Web Interface)orMenu>Storage>SnapshotSchedule>Schedule Type (GUI).

**Schedule:** A snapshot is taken according to the set schedule.

**Event:** A snapshot is triggered by an event such as alarm input and motion detection alarm. Manual snapshots are event-triggered snapshots.

**Snapshot Interval:** Select the time interval between two snapshots from the dropdown list.



Title	How to	Set Up an FT	P Server and Upload Snaps	hots for a Uniview Camera and	d Version:	V1.0
Produ	ıct		NVR?		Date	12/11/2023
	Recording Sc	Configure Snap	pshot Schedule Snapshot Typ	e		
Camera		Select (	Channel	D1(IP Camera 01)		~
	Snapshot Sc	Snapsh	ot Type			
Ð	Hard Disk	Resolut	tion	704*576(4CIF)	✓ 704*576(4	CIF) ~
Search	Disk Group	Image C Snapsh	Quality ot Interval	Medium 1 m	<ul><li>✓ High</li><li>✓ 1m</li></ul>	~ ~
$\sim$	Allocate Space			1		
	Advanced					
Network						
$\langle \hat{O} \rangle$						
System						
Storage						
$\wedge$						
Alarm						►
z						
Maintena						
		Сору	Apply Exit			
UN\	/		📮 Live View 🕅	Playback 🌞 Se	tup ,	a Smart
Client		~	Snapshot Schedule	Snapshot		
System						
System	"	*	Select Channel	D1 (IP Camera 01)	-	
Camer	a	*				
Storag	je	*	Schedule			
Rec	ording Schedu					
Sna		le	Resolution	704×576(4CIF)	~	
	pshot Schedu	le	Resolution Image Quality	704×576(4CIF) Medium	~ ~	
Har	<b>pshot Schedu</b> d Disk	le	Resolution Image Quality Snapshot Interval	704×576(4CIF) Medium 1m	* * *	
Har	a <b>pshot Schedu</b> <sup>.</sup> d Disk k Group	le	Resolution Image Quality Snapshot Interval	704×576(4CIF) Medium 1m	<b>v</b> <b>v</b> <b>v</b>	
Har Disl Allo	<b>apshot Schedu</b> rd Disk k Group poate Space	le	Resolution Image Quality Snapshot Interval <b>Event</b>	704×576(4CIF) Medium 1m	> > >	
Har Disl Allo Adv	<b>apshot Schedu</b> rd Disk k Group ocate Space vanced	le	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution	704×576(4CIF)           Medium           1m           704×576(4CIF)	<ul> <li></li> &lt;</ul>	
Har Disl Allo Adv	<b>npshot Schedu</b> rd Disk k Group ocate Space vanced	le Ie ⊗	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality	704×576(4CIF)         Medium         1m         704×576(4CIF)         High	<ul> <li></li> &lt;</ul>	
Har Disk Alla Alarm Alarm	<b>npshot Schedu</b> rd Disk k Group ocate Space vanced	le V V	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality Snapshot Interval	704×576(4CIF)         Medium         1m         704×576(4CIF)         High         1m	> > > >	
Har Disl Allo Adv Alarm Alert Netwo	ngshot Schedu rd Disk k Group ocate Space vanced	le V V	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality Snapshot Interval Copy to □ All	704×576(4CIF)         Medium         1m         704×576(4CIF)         High         1m	<ul> <li></li> &lt;</ul>	
Har Disk Allo Adv Alarm Alert Netwo Platfo	npshot Schedu rd Disk k Group pocate Space vanced prk rm	le V V V V	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality Snapshot Interval Copy to $\Box$ All	704×576(4CIF)         Medium         1m         704×576(4CIF)         High         1m	<ul> <li>✓</li> <li>✓</li></ul>	
Har Disk Alla Adv Alarm Alert Netwo Platfo User	npshot Schedu rd Disk k Group bocate Space vanced ork rm	le × × × × × ×	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality Snapshot Interval Copy to $\square$ All Save	704×576(4CIF)         Medium         1m         704×576(4CIF)         High         1m	<ul> <li></li> &lt;</ul>	¥
Har Disk Allo Adv Alarm Alert Netwo Platfo User Mainto	enance	le V V V V V V V V V	Resolution Image Quality Snapshot Interval <b>Event</b> Resolution Image Quality Snapshot Interval Copy to _ All Save	704×576(4CIF)         Medium         1m         704×576(4CIF)         High         1m	> > > > >	¥

If you want to set up event triggered snapshot to be uploaded to FTP, **Snapshot** is also needed to be ticked under **Trigger Actions** section of that event.

**Note:** In the following guidance **Motion Detection** will be used for demonstration. And VCA/Smart functions are not yet supported to trigger snapshots thus cannot be configured to upload snapshots to FTP.

Product     NVR     Date     12/11/20       Alarm       Motion Detection       Trigger Actions       VCA     Vid     Buzzer       VCA     Vid     Pop-up Window       Network     Aler       Aler     Ali       Dot     Dial       Backup     Doc       System     Buz       Buz     Dial       Backup     Doc       Storage     Peo       Storage     Peo       Storage     Apply       OK     Cancel	Titl	e	How to Set Up	an FTP S	erver and	Upload S	Snapsh	ots for a U	niview Ca	amera and	Version:	V	1.0
Alarm Alarm Motion Detection Tampering Vide Send Enail Network Alare System Buzzer Vide Send Enail Doc System Alare Alare Doc Storage Alar	Prod	uct				NVR					Date	12/1	1/2023
Motion Motion     Camera D7(IP Camera 07)     Tampering Sciect Camera     Tigger Actions     Vid     Buzzer   Send Email   Pop-up Window   Inpa   Pop-up Window   Inpa   Auc   Auc   Auc   Buzzer   Auc   Auc   Auc   Buzzer   Auc   Auc   Auc   Buzzer   Doc   Buzzer   Buzzer   Buzzer   Auc   Buzzer   Buzzer   Buzzer   Buzzer   Buzzer   Buzzer   Buzzer   Buzzer   Auc   Auc   Auc   Buzzer   Auc   Auc   Buzzer   Auc   Buzzer   Buzzer   Buzzer   Buzzer   Buzzer   Auc   Buzzer   Buzzer   Auc   Buzzer <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Aları</th> <th>m</th> <th></th> <th></th> <th></th> <th></th> <th></th>							Aları	m					
Camera D7(IP Camera 07)   VCA Hur   Vidi Buzzer   Send Email   Inpt   Pop-up Window   Aler   Aler   Aler   Aler   Aler   Auc   D11   D2   D3   D4   D5   D6   D7   Buz   Auc   D13   D14   D13   D14   D14   D15   D6   D7   D8   Auc   Alar   Auc   Auc   D13   D14   D14   D15   D6   D7   D8   Auc   Auc   Auc   Auc   Auc   D13   D14   D16		Motion											
VCA Hun   Buzzer   Vid   Bectwork   Ater   Ater   Ater   Ater   Buz   System   Buz   Corage   Peo   Atarm   Atarm   Buz		Tamper	ring	elect Camer	а			D7(IP Came	era 07)				
VCA Hun   Buzzer   Send Email   Pop-up Window   Recording Goto Preset Preview Alarm Output   System   Auc   Buz   Buz   Buz   Buz   Buz   Buz   Peo   Alarm   Apply   OK   Cancel	$\sim$						Trigger A	ctions					
Vid Send Email   Inpt Pop-up Window   Aler Aler   System Auc   Buz   Buz   Buz   Cancel     Aler     Buz     Buz   Buz     Aler     Aler     Buz     Buz     Aler     Aler     Aler     Aler     Aler     Aler     Aler     Aler </td <td>VCA</td> <td>Hun</td> <td>Buzzer</td> <td></td>	VCA	Hun	Buzzer										
Implete   Implete   Aler   System   Auc   Buz   Buz   Buz   Doc   Storage   Peo   Auron		Vide	Send Email										
letwork   Aler   System   Auc   Buz   Buz   Buz   Buz   Buz   Buz   Buz   Buz   Buz   Auc     Peo     Aler     Auc     Auc     Buz			Pop-up Wind	iow								-	-•
Auc       All       D1       D2       D3       D4       D5       D6       D7       D8         Buz       Buz       Doc		Alex						Snapshot					
System Auc D13 D14 D16 Buz Backup Doc Coc Alarm Apply OK Cancel	 			□ D1	□ D2	D3	□ D4		D6	D7	D8		
Buz Backup Doc Rorage Peo Alarm Apply OK Cancel				□ D13	□ D14	□ D16							
Backup Doc Storage Apply OK Cancel	ā	Buz											
Peo       Storage       Alarm       Apply       OK	Backup												
Alarm Apply OK Cancel													
Alarm Apply OK Cancel		Peo											
Alarm Apply OK Cancel	torage												
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Client	*	Motion				
System	*	Select Channel	D1 (IP Camera 01)	T		
Camera Storage	*	Motion	● On ○ Off			
Alarm	*	Detection Mode	Motion Detection      Ultra Motion	n Detection		
Motion		Area	Arming Schedule Trigger Actions			
Tampering		Conventional	Alarm Output	Recording	Snapshot	G
Video Loss	tion	Buzzer	A->1	🗆 D1	<b>□</b> D1	<b>^</b>
Alarm Input		Push Alarm	A->2	D2	D2	
Alarm Output			D4->1	D3	D3	
Audio Detection			□ D6->1	□ D4	□ ₽4	
Manual						
Buzzer			07->1			
One-Key Disarming				□ D6	D6	
People Present Ala	rm			□ D7	D7	
Alert	*			D8	D8	
Network	*				× _	•

**Step 2** Set up the FTP server (enable FTP to configure your FTP server info) under **Setup>Network>FTP (Web Interface)** or **Menu>Network>Advanced>FTP (GUI)**.

**Upload Interval(s):** The NVR uploads images captured within the set periods to the FTP server at the set interval. The default is 30s. You can alter the setting as needed.

**Range(s):** Show the range of image upload interval: [5-600]s

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Product		NVR	Date	12/11/2023		
	Basic	PPPoE Port Port Map	pping Multicast FT	e		
Camera	Platform	Enable FTP	Enable FTP FIPI			
~		Server				
E	Advanced	IP Address	172 . 1 . 90	). 51		
Search		Port	21			
_		Anonymous				
		Username	admin			
VCA		Password			¥	
		Remote Directory				
Œ		Upload Interval(s)	60			
Metwork		Range(s)	5~600	Test		
		Schedule				
( <u></u> 0)		Camera	D1		~	
System		Upload Schedule	0			
$\frown$		Сору	0			
Storage						
Alarm						
Naintena						
		Apply Ex	cit			

บทิง		🖵 Live View 🎞	Playback	Setup	≵₀ Sr	nart
Client	*	FTP	Upload So	hedule		
System	*					
Camera	*	FTP	● On ◯ Off	FTF	Info	
Storage	~	IP Address	172.1.90.51			
Alarm	*	Port	21			
Alert	*	Username	admin	Anonym	ous	
Network	*	Password				
TCP/IP		Remote Directory	motion/1			
PPPoE		Upload Interval(sec)	60			
EZCloud		Test				
DDNS						
Port		Save				
Port Mapping						
Email						
Multicast						
▶ FTP						
Custom Route						
Platform	*					
User	*					
Maintenance	*					
Upgrade	*					

**Step 3** Go to **Setup>Network>FTP>Upload Schedule (Web Interface)** or click **Upload Schedule** On **GUI**, select a camera to configure time periods during which the camera will upload images of the desired type(s). You may copy the schedule to other days within the week or copy the schedule to other cameras.

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Title	How to Set Up an FTP Server and Upload Snapshots for a Uniview Camera and					Version:	V1.0	
Product	NVR					Date	12/11/2023	
	Upload Schedule							
Select day	Mon							
Period 1	13 0	00 0 21 0 5	59 C	Normal	Event	Motion	Alarm	
Period 2	00 0	00 0 00 0	50 C					o
Сору То		Mon	□Tue	□Wed	🗆 Thu	□ Fri	🗆 Sat	Sun
FTP		Uplo	ad Sche	dule				
Select Cł	hannel	D1 (IP Camera	01)		•			
Select da	ау	Mon			~			
No.	Start Time	End Time	Alarm	n Event	Motio	n Nor	rmal	Video Loss
1	13 : 00	21 : 59			~		/	
2	00 : 00	00 : 00				C		
Mon Tue Wed Thu Fri Sat Sun								
Copy to 🗌 All 👘 😪								
Save	Save							