

TFTP Automatic Update Tool

User Manual

(used for recover IP cameras from firmware corruption)

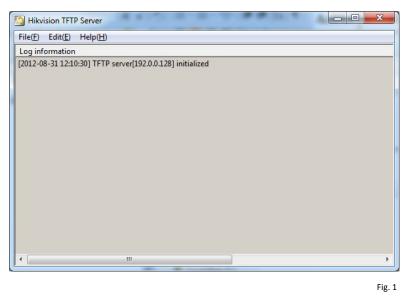
Name:	TFTP Automatic Update Tool
Publisher:	HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
Туре:	Executable file
Version:	1.0
File:	tftpserv.exe



http://www.hikvisioneurope.com/portal

Introduction

This little program (Fig. 1) is normally used for recover IP cameras from firmware corruption. The TFTP automatic update tool is available on our FTP server. When you download this program you do not need to run or install it immediately, some previous settings needs to be done before.



*** This program is used for recover IP cameras/DVRs from firmware corruption.

Step n1.

Download and save the folder <**TFTP-Auto-Update**> from our FTP server (Fig. 2) Make click at the following link: <u>ftp://hikvisioneurope.com/portal/Technical Materials/Special Tools/</u>

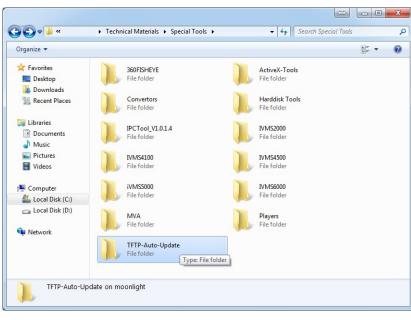
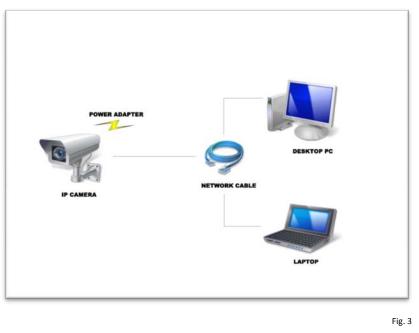


Fig. 2

*** Download and save the folder <TFTP-Auto-Update>.

Step n2.

Connect the IP device to the power outlet by using a 12V AC Power Adapter and to your PC or laptop by using a network cable (Fig. 3). You can also connect the device with a cross-line cable or with a switch.



*** Connect the IP device to the power outlet and to your PC or laptop.

Step n3.

Place the folder <TFTP-Auto-Update> (Fig. 4) at the root of your computer (recommended), for example: C:/

 ★ Favorites ➡ Desktop ➡ Downloads ➡ Recent Places ➡ Libraries ➡ Documents ➡ Music 	Name EncodeServerLog Variation Variation LocalStorage LocalStorage MSOCache PerfLogs	Date modified 7/31/2012 4:55 PM 7/6/2012 12:29 PM 7/6/2012 12:03 PM 7/5/2012 4:07 PM 7/2/2012 4:30 PM	Type File folder File folder File folder File folder	Size	
Downloads Recent Places Libraries Documents	 ivms4200 LocalStorage Log MSOCache 	7/6/2012 12:29 PM 7/6/2012 12:03 PM 7/5/2012 4:07 PM	File folder File folder		
 Recent Places Libraries Documents 	LocalStorage Log MSOCache	7/6/2012 12:03 PM 7/5/2012 4:07 PM	File folder		
Libraries	Log J MSOCache	7/5/2012 4:07 PM			
Documents	MSOCache		File folder		
Documents		7/2/2012 4:30 PM			
	Deufland	7/2/2012 4.50 FIVE	File folder		
J Music	J PenLogs	7/14/2009 4:37 AM	File folder		
	鷆 Program Data	8/16/2012 3:26 PM	File folder		
E Pictures	🎉 Program Files	8/16/2012 5:16 PM	File folder		
😸 Videos	퉬 ProgramData	8/6/2012 9:41 AM	File folder		
	I RecordFile	8/21/2012 3:57 PM	File folder		
🖳 Computer	퉬 SadpLog	7/25/2012 3:45 PM	File folder		
🏭 Local Disk (C:)	퉬 StorageMgrLog	7/19/2012 7:51 PM	File folder		
👝 Local Disk (D:)	🕌 TFTP-Update	8/21/2012 4:43 PM	File folder		
	퉬 totalcmd	7/18/2012 4:43 PM	File folder		
📬 Network	鷆 Users	7/3/2012 12:11 PM	File folder		
	J Windows	8/16/2012 5:25 PM	File folder		

Fig. 4

*** Place the folder <**TFTP-Auto-Update**> at the root of your computer.

Step n4.

Place the firmware file (Fig. 5) inside the same folder with *TFTP-Auto-Update* (*recommended*), for example: *C:/*TFTP-Auto-Update/.

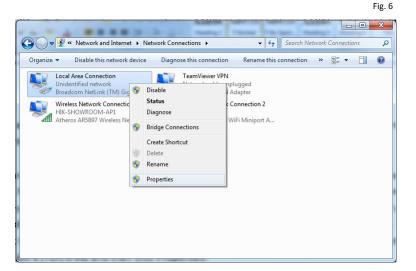
Organize 🔻 📄 Ope	n Burn New folder		8==	•
🔆 Favorites	Name	Date modified	Туре	Size
🧮 Desktop	digicap.dav	6/6/2012 4:16 PM	DAV File	13,166 KB
\rm Downloads	📋 readme	3/29/2012 1:15 PM	Text Document	1 KB
🔛 Recent Places	🔂 TFTP automatic update tool user manual	3/29/2012 1:15 PM	Adobe Acrobat D	378 KB
	🚳 tftprc_cn.dll	3/29/2012 1:15 PM	Application extens	28 KB
🔰 Libraries	🚳 tftprc_en.dll	3/29/2012 1:15 PM	Application extens	28 KB
Documents	tftpserv	3/29/2012 1:15 PM	Application	240 KB
J Music	tftpserv	3/29/2012 1:15 PM	Configuration sett	1 KB
Videos	tftpserv	8/21/2012 12:24 PM	Text Document	101 KB
Computer Local Disk (C:)				
Local Disk (D:)				
📭 Network				
digicap.dav I	Date modified: 6/6/2012 4:16 PM Date creat Size: 12.8 MB	ed: 6/6/2012 4:16 PM		

*** Place the firmware file inside the same folder C:/TFTP-Auto-Update/

Step n5.

Make sure that the IP device and the PC share same network segment in the *LAN* (Local Area Connection). Follow next steps: <u>http://windows.microsoft.com/en-US/windows7/Change-TCP-IP-settings</u>

- 1. Open Network Connections by clicking the *Start* button , and then clicking *Control Panel*. In the search box, type *adapter*, and then, under *Network and Sharing Center*, click *View network connections*.
- 2. Right-click the connection that you want to change, and then click **Properties**. **W** (Fig. 6). If you're prompted for an administrator password or confirmation, type the password or provide confirmation.



*** Right-click the connection that you want to change, and then click **Properties**.

3. Click the *Networking* tab. Under *This connection uses the following items*, click *Internet Protocol Version 4 (TCP/IPv4)* and then click *Properties* (Fig. 7).

Connect using:	
Broadcom NetLin	nk (TM) Gigabit Ethernet
	Configure
This connection uses the	ne following items:
Client for Micro	
QoS Packet S	
	r Sharing for Microsoft Networks
	col Version 6 (TCP/IPv6) col Version 4 (TCP/IPv4)
	pology Discovery Mapper I/O Driver
	pology Discovery Mapper 1/0 Driver
🗆 📥 Link-Layer Top	pology Discovery Responder
Link-Layer Top	Uninstal Properties Protocol/Internet Protocol. The default rotocol that provides communication
Link-Layer Top	Uninstall Properties Protocol/Internet Protocol. The default rotocol that provides communication

*** Click Internet Protocol Version 4 (TCP/IPv4) and then click Properties.

4. Modify the PC address to: **192.0.0.128**, mask: **255.255.0**. (Fig. 8). This step is very important because this tool sets the server IP address to: 192.0.0.128.

You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.						
Obtain an IP address automatic	cally					
• Use the following IP address:						
IP address:	192	. 0	. 0	. 128		
S <u>u</u> bnet ma <mark>s</mark> k:	255	. 255	. 255	. 0		
Default gateway:		2				
Obtain DNS server address aut	tomatically					
• Use the following DNS server a	ddresses:					
Preferred DNS server:						
Alternate DNS server:		•				
Validate settings upon exit				Adva	anced	
	ſ		ОК		67	ncel

*** Modify the PC address to: **192.0.0.128**, mask: **255.255.255.0**.

Step n6.

Browse for the file tftpserv.exe in your PC and double click it (Fig. 9).

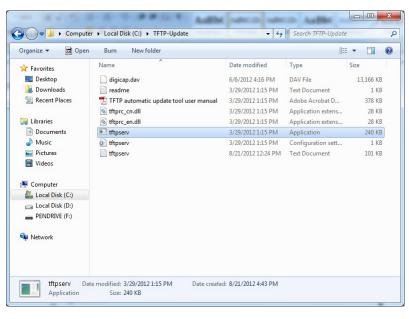


Fig. 9

*** Browse for the file **tftpserv.exe** and double click it.

Step n7.

The program will be open directly (Fig. 10). (This tool does not need to be installed).

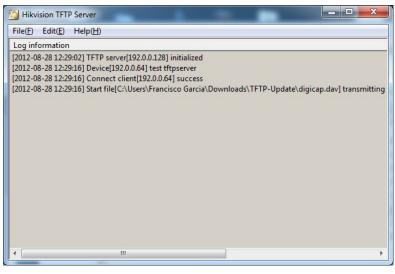


Fig. 10

*** The program will be open directly.

Step n8.

After the above steps has been done, disable your wireless connection, reboot the IP device (*disconnect the power cable and plug it back*). The *TFTP-Auto-Update* tool will automatically detect the device IP address and it will start with the update process (Fig. 11). Be patience as this will take about 2 or 5 min (depending on the device). No additional operation is needed.



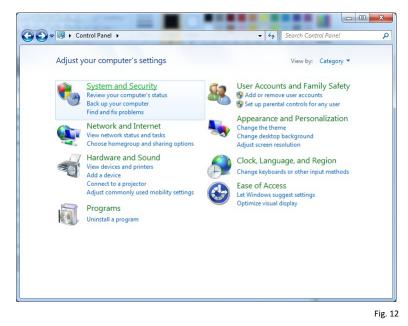


*** TFTP-Auto-Update tool will automatically detect the device IP address and update it.

Note: If at this moment the update process does not begin, check the following:

- 1. The folder **<TFTP-Auto-Update>** is at the root of your computer, for example: **C:/.**
- 2. Download correct firmware's version from our FTP server: http://hikvisioneurope.com/portal
- 3. The firmware file is inside the same folder with *TFTP-Auto-Update*, for example: *C:/*TFTP-Auto-Update/.
- 4. In case that the file name is with *numbers, special characters* and/or *spaces* in between, then you will need to re-name it as: *digicap.dav* or *digicap.mav* (the extension *.*dav* or *.*mav* depends on the file you downloaded)
- 5. Modify the PC address to: **192.0.0.128**, mask: **255.255.255.0** in your LAN settings (Local Area Connection).
- 6. Disable your Windows Firewall. Please follow next steps for doing that: http://windows.microsoft.com/en-US/windows-vista/Turn-Windows-Firewall-on-or-off

6.1. Open Windows Firewall by clicking the *Start* button (Security, and then clicking *Windows Firewall* (Fig. 12).



*** Click System and Security and then click Windows Firewall.

6.2. Click *Turn Windows Firewall on or off*. **V** If you are prompted for an administrator password or confirmation, type the password or provide confirmation (Fig. 13).

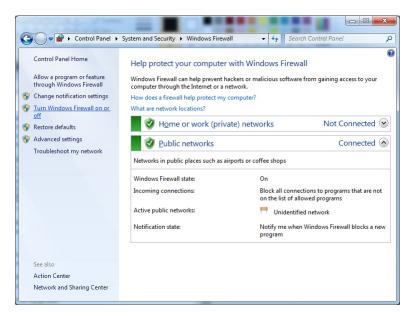


Fig. 13

*** Click Turn Windows Firewall on or off.

6.3. Select both options *Turn off Windows Firewall (not recommended),* and then click OK.

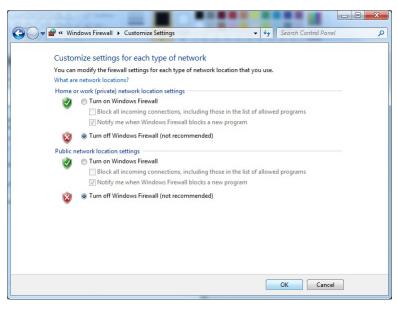
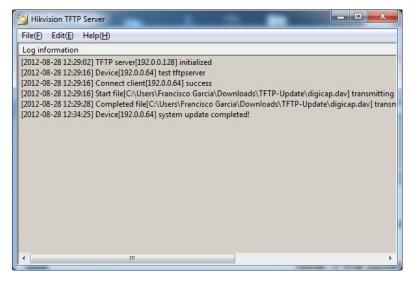


Fig. 14

*** Select Turn off Windows Firewall (not recommended), and then click OK.

Step n9.

And finally you will see *System Update Completed* message when the updating process is completed. Now it will automatic reboot the device and you need to turn off the device or close the tool, otherwise the update process will start again.





*** You will see **System Update Completed** message.