

Installation Manual Extended Recording System—ERS For 20N758 Camera

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For technical assistance with this product, please contact the supplier from whom the product was purchased.

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Doc # INS-20N758-ERS	Issue Date: 09/24/2008	
Revision: A	Page 1 of 8	PS 8,1,2,7,6,3,4,5

Table of Contents

- 1. Document History 3
- 2. Proprietary SD File Management System of the 20N758 Network Camera..... 3
- 3. LED indicators 5
- 4. Ethernet Control 5
- 5. SD Card Image Viewing 6
- 6. Copying SD Card to File 6
- 7. DB 9 Pin outs on back of camera 7
- 8. Computer Preparation..... 7
- 9. Contact Information 8

1) Document History

Revision	Issue Date	Reason	CN#
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2) Setup

1. Open shipping box – Model 20N758
2. Check Contents:
 1. IP camera – 20N758
 2. Wall mounted power supply
 3. USB cable
 4. DB9 connector and shell
 5. C mount lens adapter
3. Set switches according to the chart below.



1. **AES:** Auto electric shutter.
2. **DC IRIS:** Use an auto iris (DC drive)
3. **DHCP:** Turn On / Turn Off to use the DHCP protocol. If the switch points upwards, the device can change the setup of network function (enable/disable) via the network.
4. **STATIC IP:** If the switch points down, the device can't obtain an IP address from the DHCP server. This option is needed to configure the network communication settings.

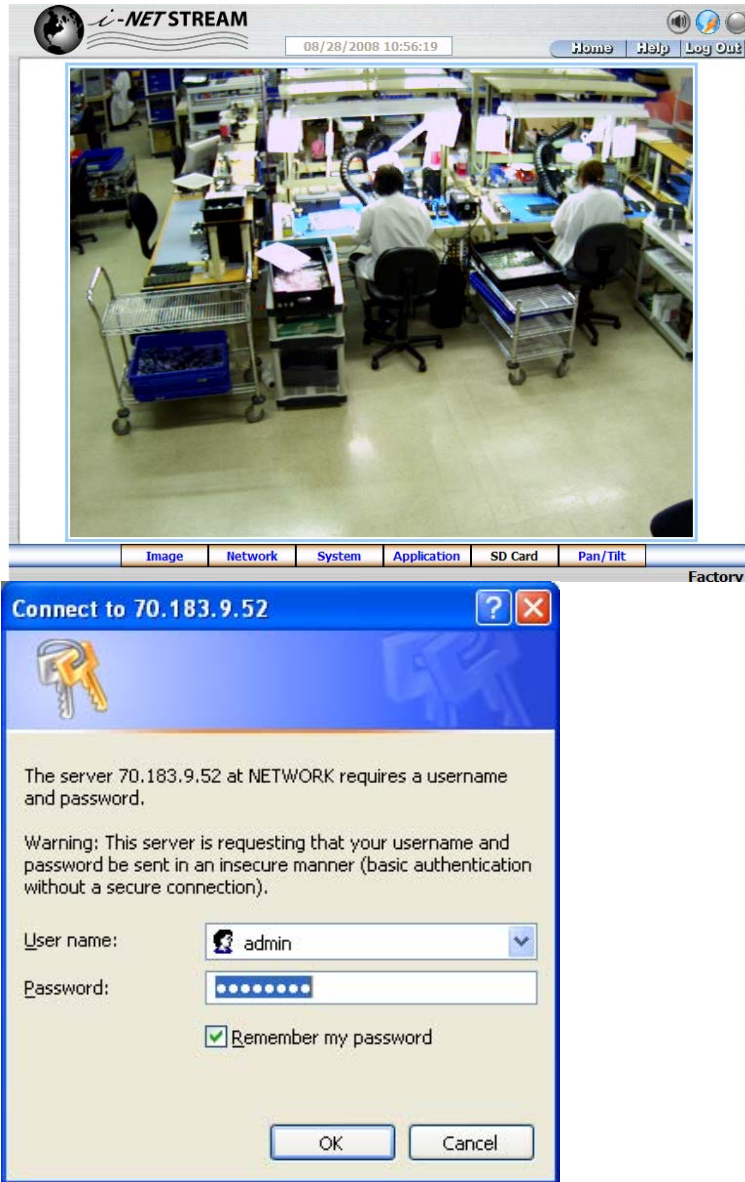
4. Remove lens cap, attach the lens and plug the connector into the DC IRIS port on right side of Camera.
5. Plug the power supply into a wall outlet and then plug the black barrel connector into the 5V jack on the rear of the camera.
6. Set the Static IP address of the camera, you will most likely need information from an IT coordinator. (If using DHCP, skip this section)
 - Plug large end of USB cable into computer USB port.
 - Plug Small end of USB cable into camera.
 - Apply power to camera.
 - A window should pop up "USB Configuration".
 - Select Run the Program
 - A window should pop up to enter the network settings for the camera.
 - Set IP address xxx.xxx.xxx.xxx – from IT coordinator
 - Set Subnet mask 255.255.255.0 – from IT coordinator
 - Set Default Gateway yyy.yyy.yyy.yyy – from IT coordinator
 - Let HTTP Port: 80 – if not using a router
 - Select "Apply"
 - Select "Exit" on pop up window
 - Select Exit
 - Remove USB cable from Camera.
 - After Camera re-boots, remove power, Install the SD card into the left side of the camera, then re-apply power. **NOTE: POWER MUST BE turned off then on. BEFORE NEW SD CARD WILL ACTIVATE.**

Doc # INS-20N758-ERS	Issue Date: 09/24/2008	
Revision: A	Page 3 of 8	PS 8,1,2,7,6,3,4,5

3) Setting up the IP camera

1. Enter the IP address of the camera (http://xxx.xxx.xxx.xxx) into Internet Explorer address bar. Follow the screen shots shown below. The camera's IP address is the same as was programmed in Section 2.

If no passwords have been set then you will begin getting a video stream. If passwords have been set, then you will get the following password request.



User: Admin

Password: inetcam

2. Adjust picture
 - a. Select **Image**
 - b. Select Resolution: **VGA – full screen QVGA – ¼ SCREEN**
 - c. Select Quality: **Highest - LOWEST**
 - d. Select Format: **MJPEG ---- must be in MJPEG**
 - i. If the camera was in MPEG4, it will reset and be blank for 15 seconds.
 - e. Select View Type **Active X ---- needed for performance**

Select **Submit**

3. Select **Network** – If camera is not connected to a network
 - a) Select **SNTP**
 - b) Check box marked “Automatically adjust for Daylight Savings Time”

Doc # INS-20N758-ERS	Issue Date: 09/24/2008	
Revision: A	Page 4 of 8	PS 8,1,2,7,6,3,4,5

4. Select **Application – User selectable items.**

- a) Select: **SD Card**
- b) Select: **MJPEG Continuous Mode** and **Enable SD Card Rewrite**
- c) Choose: **1 IPS, ½ IPS, ¼ IPS, or 1/8 IPS**
- d) Select: **Submit**

- e) Select: **Enable Record**
- f) Select: **Enable Record - Save Into SD Card**
- g) Select: **Submit**

If using **MOTION DETECTION**, perform steps 4h – 4j.

- h) Select: **Schedule**
- i) Select: **Remove All Schedules**
- j) Select: **Submit**

- k) Select: **Enable Alarm**
- l) Select: **Enable Alarm - Save Into SD Card**
- m) Select: **Alarm Duration: 0 second**
- n) Select: **Submit**

If using **SCHEDULES**, skip steps 4o – 4s.

- o) Select: **Motion Detection**
- p) Select: **Motion Detect - Enable**
- q) Select: **Sensitivity – High**

- r) Right click in Image Window, chose **Select all**
- s) Select: **Submit**

Camera is configured

4) LED indicators

There are 2 led indicators on the right side of the camera that functions as follows:



LED indicators		
	Power Indicator	LAN Indicator
<i>OFF</i>	<i>No Power</i>	<i>No Ethernet</i>
<i>Solid Green</i>	<i>Error</i>	<i>Connected</i>
<i>Blinking Green</i>	<i>Normal operation</i>	<i>Error</i>
<i>Solid Red</i>	<i>Error</i>	<i>Error</i>
<i>Blinking Red / Orange</i>	<i>Writing to SD Card</i>	<i>Link & Data transmission</i>

5) SD Card Image Viewing

Once power is applied, wait approximately 1 minute then select the Application button and verify that the camera sees the SD Card. If it shows "No SD Card inserted" then go to the top of this page and click on **HOME**. The SD card radio button should now be active.

While the camera is connected to a computer, individual images can be directly downloaded from the SD card residing in the camera. To do this, go to the Desktop and click on the **SD Card** button. A list of JPG images with dates and times will be displayed. Scroll down to the desired time and date and left click on the file name. The image will appear on the screen. To view different date and time images, select the time and date of interest from the pull down menu on the top right of the page, and then select refresh. The date and time you entered will be the first image. Left click the file name to view. Use the "**backspace**" to return to the list of images.

6) Transferring Image files from SD Card to Folder on Desktop

To extract data from the SD card:

Disconnect Power from the Power Brick or from Camera

Remove the SD card from the left side of camera.

Insert SD card into SD card reader connected to the PC where SDCUT has been stored.

If you have not already done so, copy the SDCUT routine from the *INETCAM* folder on the SD Card to your desktop.

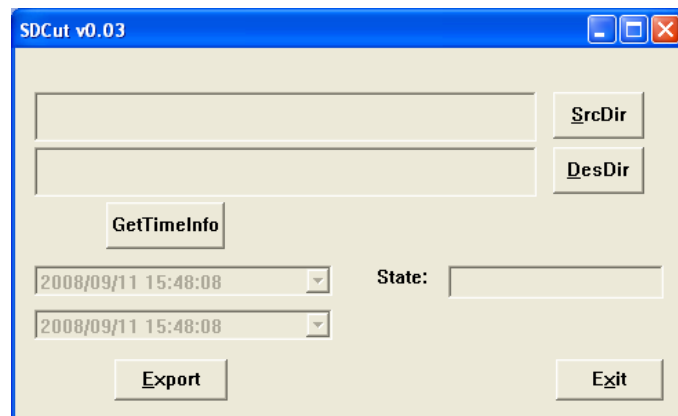
Create a new folder on computer desktop.

Click on SDCut

The following window should appear:



Select Run—the following screen should appear:



1. Select **SrcDir** to select the SD card drive letter and the INETCAM directory
2. Select **DesDir** to select the folder on the computer to store the images.
3. Select **GetTimeInfo**, the first and last time on the SD card will be displayed,

Doc # INS-20N758-ERS	Issue Date: 09/24/2008	
Revision: A	Page 6 of 8	PS 8,1,2,7,6,3,4,5

Modify time/data to desired range.

4. *Select **Export*** to transfer the images to the computer. This operation may take up to 20 minutes depending on the computer speed used.
5. Using any JPEG viewer you may view the images.

7) DB 9 Pin outs on back of camera (I/O – Input / Output)

1. RS-485:D-	2. RS-232:RX	3. RS-232:TX
4. RS-485:D+	5. Ground	6. Alarm-Reset
7. Alarm-In	8. Alarm-Out	9. Audio-Out

8) Computer Preparation

The following steps will configure the computer to communicate with the camera.

1. Select **Start** Button
2. Select **Settings (may be needed)**
3. Select **Control Panel**
4. Select **Network Connections**
5. Right click **OPEN**
6. Right Click on **Local Connection**
7. Select **Properties**
8. Select **Internet Protocol (TCP/IP)**
9. Select **Properties**
10. On the General Tab select **Use the following IP address**
11. When you select the **Use the following IP address** the alternate configuration tab disappears.
12. Set IP address **xxx.xxx.xxx.xxx** – from IT Dept.
13. Set Subnet mask **255.255.255.0**
14. Set Default Gateway **yyy.yyy.yyy.yyy** – from IT dept.
15. Select **OK**
16. Select **Close**
17. You may have to reboot the computer now.

DO NOT select **ALTERNATE CONFIGURATION** tab

9) Contact Information

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Doc # INS-20N758-ERS	Issue Date: 09/24/2008	
Revision: A	Page 8 of 8	PS 8,1,2,7,6,3,4,5