

GigE Network Setup

Ver. -

User Manual

Ref. 1830-SU-05-D

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Introduction

1. Cameras with Gigabit Ethernet (GigE) interface don't need a special driver but a network configuration to allow the communication between the camera and the PC.
2. Please make sure that one of the following operating systems is installed on your Laptop (PC):
Windows XP
Windows VISTA
Or Windows 7
3. To install the camera under Windows XP, Windows VISTA or Windows 7, the user has to be logged with administrator rights. Please ask your system administrator for further advice. Without administrator rights, the driver or the IP address cannot be installed.
4. Before setting up the IP adress, the camera has to be switched on and connected to the Laptop (PC).
5. The following illustrations show a typical IP Setup performed under Windows XP operating system.

For any questions or problems during the installation please do not hesitate to contact Optronis GmbH.



If the CamRecord camera cannot be found or if the IP address of the camera can not be found please make sure, that the Windows firewall is deactivated.

Gigabit Ethernet (GigE) Installation Procedure (Windows XP)

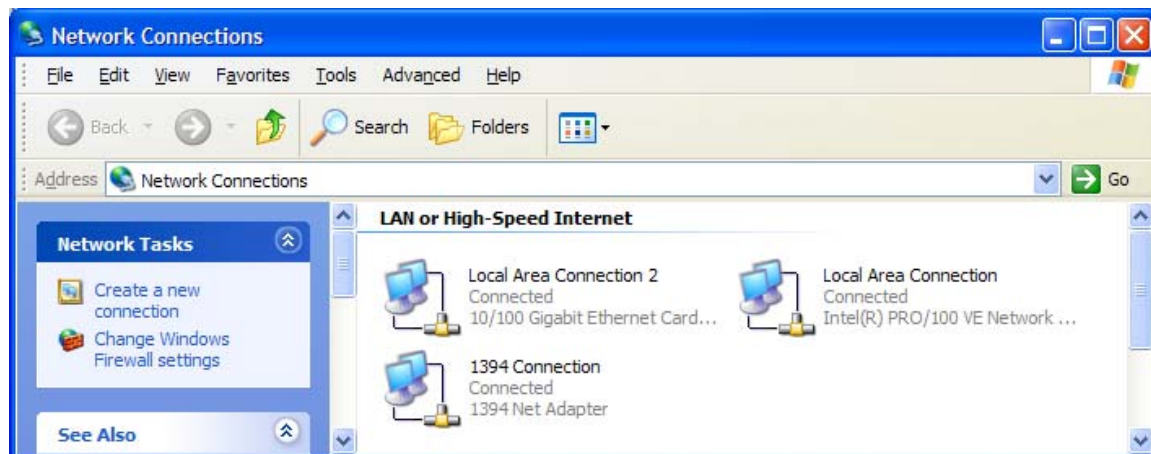
1. Please switch on the Laptop (PC) and log-in with administrator rights.
2. The default camera IP address (factory settings) is 192.254.127.200 with the subnet address 255.255.255.0.
3. The CamRecord can be used in two different network topologies :
 - a) The CamRecord is directly connected to the PC Ethernet card (Pear-to-pear).

In that case, you have to define the IP address of the PC Ethernet card used to communicate with CamRecord. That IP address has to be chosen very carefully. Please contact your network administrator if you are not familiar with network configuration.

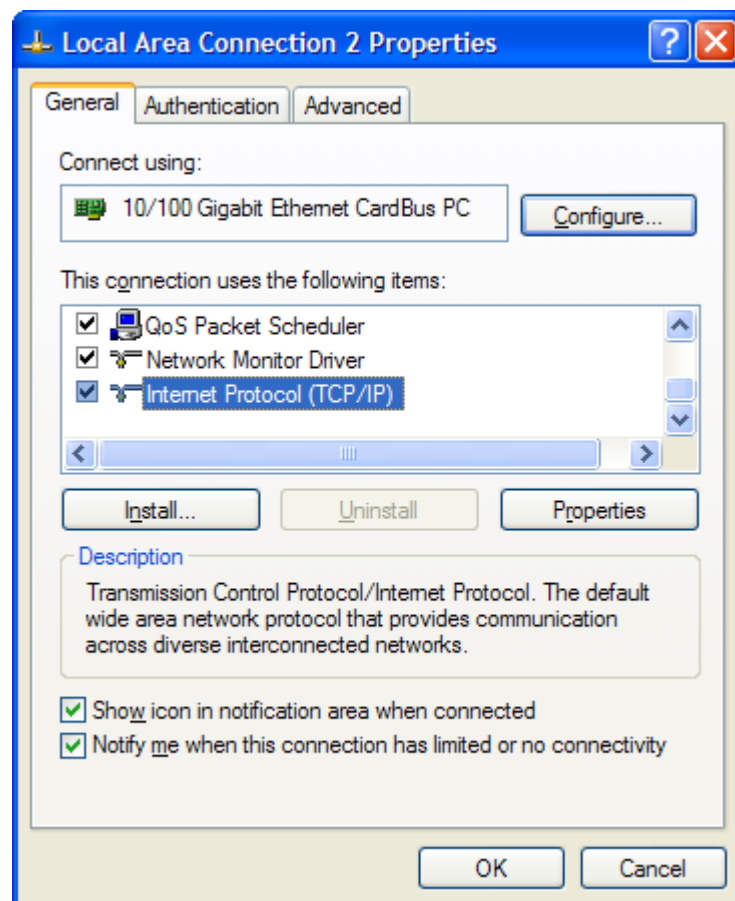
Open the Network Connections with „Start / Settings / Network Connections” as shown in the image below.



Select the “Local Area Connection” of the Ethernet card used to communicate with the camera. Click on the right mouse button and open its properties.

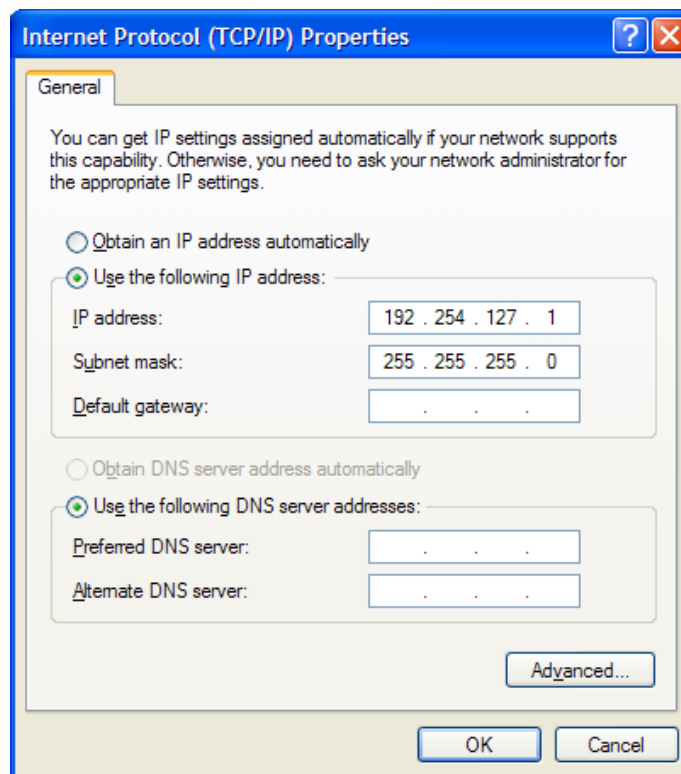


On the dialog box „Local Area Connection Properties“, please select „Internet Protocol TCP/IP“ and open its properties.



The item „Internet Protocol TCP/IP Properties“ allows to set the IP address and the subnet mask of the PC Ethernet card.

Example: IP address: 192.254.127.1
Subnet mask: 255.255.255.0



The Ethernet card IP address has to be in the same subnet than the CamRecord camera. For example, you can use the following settings :

IP	192.254.127.1
Subnet	255.255.255.0

b) The CamRecord is connected to a network

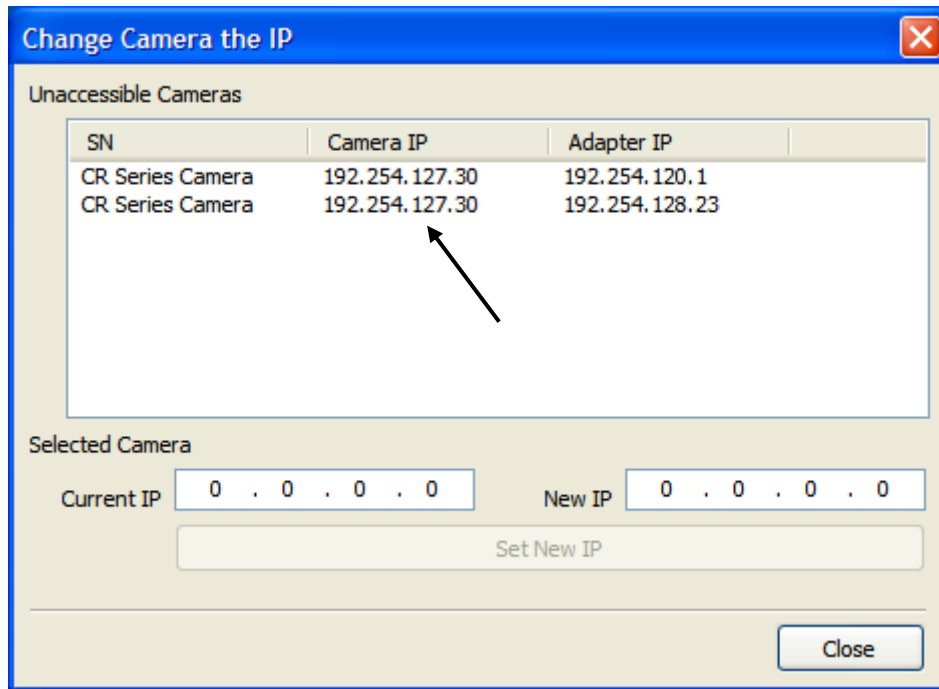
In that case, the IP address of the camera has to be modified and must be set in the same subnet than your network. Please contact your network administrator to obtain a valid IP address.

To modify the camera IP address, the camera has to be switched on and the software TimeBench has to be installed and started.

If there is no communication with the camera, a message box will appear and show the actual camera TCP/IP address.

To operate the camera, the Adapter IP address must have the same subnet as the Camera IP address.

To change Camera IP please select camera and camera IP, enter the new IP and click on "Set New IP".

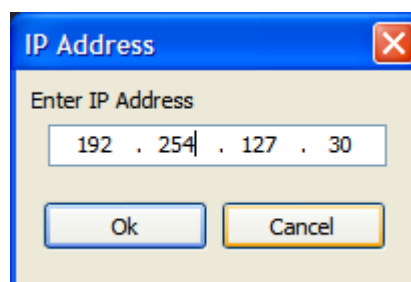


If the CamRecord camera cannot be found or if the IP address of the camera can not be found please make sure, that the Windows firewall is deactivated.

Click on the “OK” button to modify the camera IP address. The IP address will be written into camera memory if it belongs to the same subnet.

Modify Camera IP address

To modify the camera IP address please change first the IP address inside the PC as shown above. After changing the IP address of the PC, the IP address of the camera can be changed inside the CamControl software. When first the IP address of the camera is changed, the address is temporarily changed inside the camera and will be lost after “Power off” of the camera.



Appendix

Customer Service

For any questions or problems, please do not hesitate to ask our customer service:

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D-77694 Kehl
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e-mail: info@optronis.com

In case of problems please prepare the following informations:

- Name of the device:
(CamRecord CR450x2, CR600x2, CR1000x2, CR4000x2
CR5000x2)
- Serial-Number:
(bottom side of the camera)
- Operating System
Windows XP
Windows Vista
Or Windows 7
- Short description of the problem