

GigE Network Setup

Ver. -

User Manual

Ref. 1830-SU-05-F

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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 PC:
Windows 7
Windows 8
Or Windows 10
3. To install the camera under Windows 7/8/10, 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 address, 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 7 operating system.

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



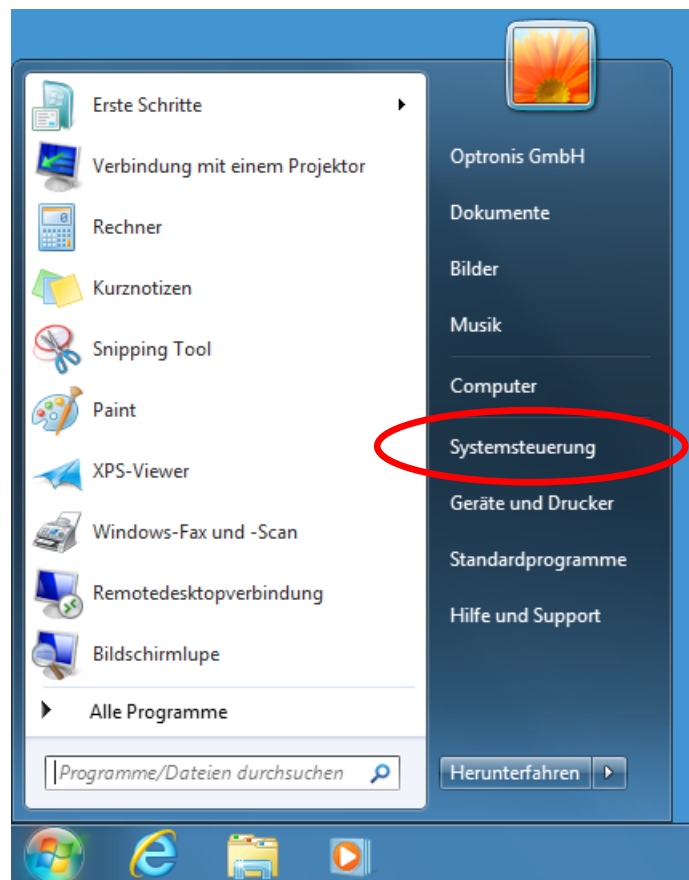
If the CamRecord camera cannot be found or if the IP address of the camera can not be found please make sure, that the Windows firewall is deactivated.

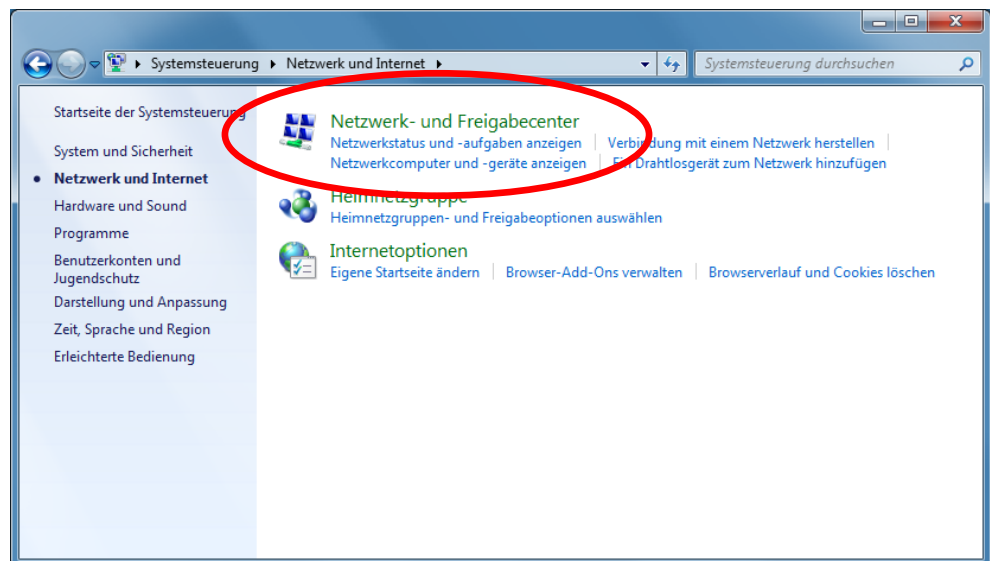
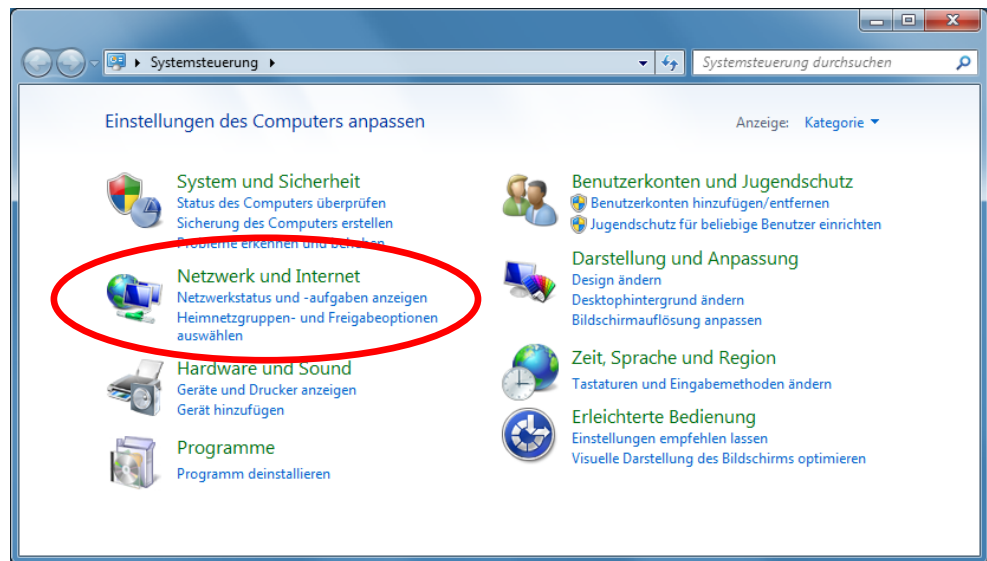
Gigabit Ethernet (GigE) Installation Procedure (Windows 7)

1. Please switch on the PC and log-in with administrator rights.
2. The default camera IP address (factory settings) is 192.168.100.200. The subnet mask depends on the needs of the network setting. A valid subnet mask may be 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 (Peer-to-peer).

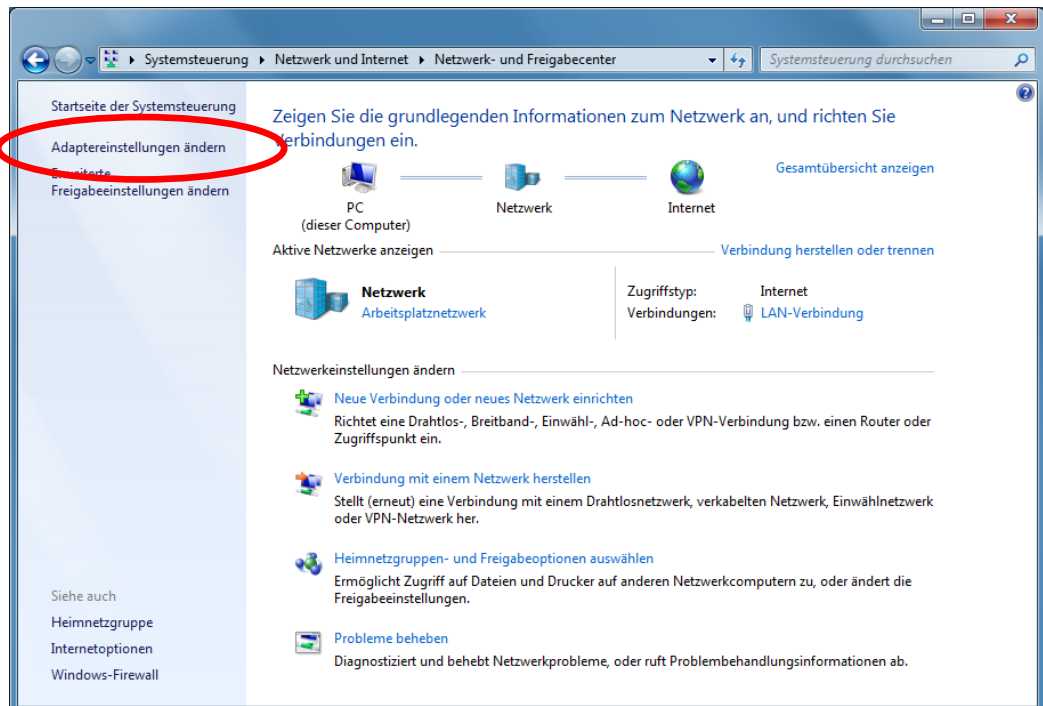
In that case, you have to define the IP address of the PC Ethernet card used to communicate with CamRecord. That IP address has to be chosen very carefully. Please contact your network administrator if you are not familiar with network configuration.

The setup of the network adapter can be changed in the "Network and Sharing Center". Open the "Network and Sharing Center" with „Start / Control Panel / Network and Internet / Network and Sharing Center” as shown in the images below.

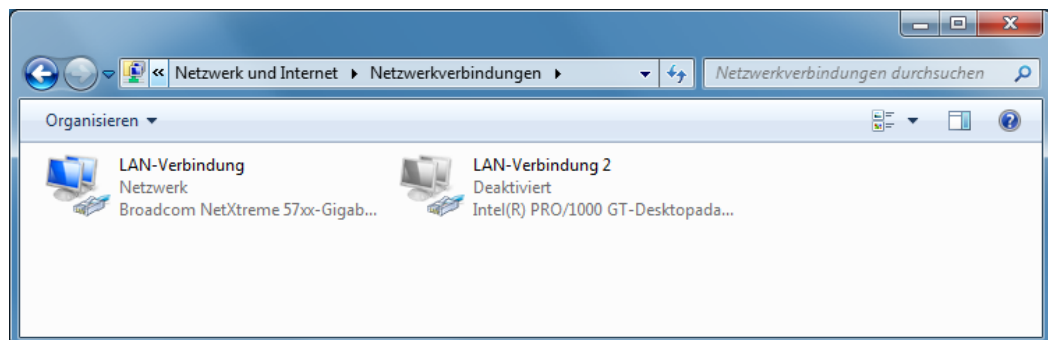




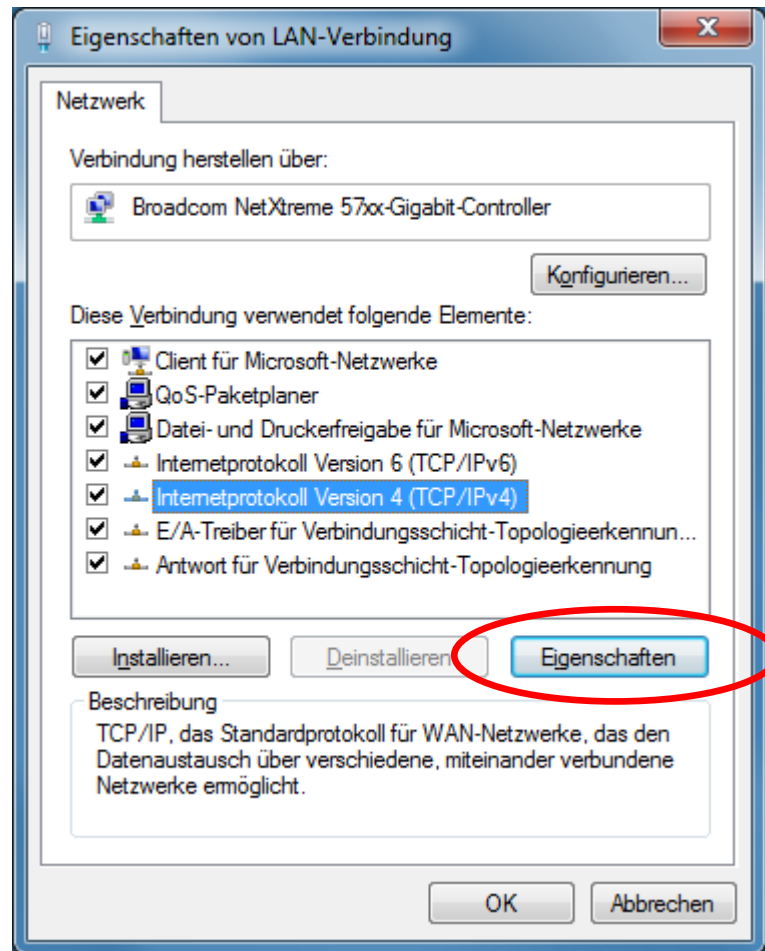
In the “Network and Sharing Center” click at “Change adapter settings”



Select network adapter used to communicate with the camera. Click on the right mouse button and open its properties.

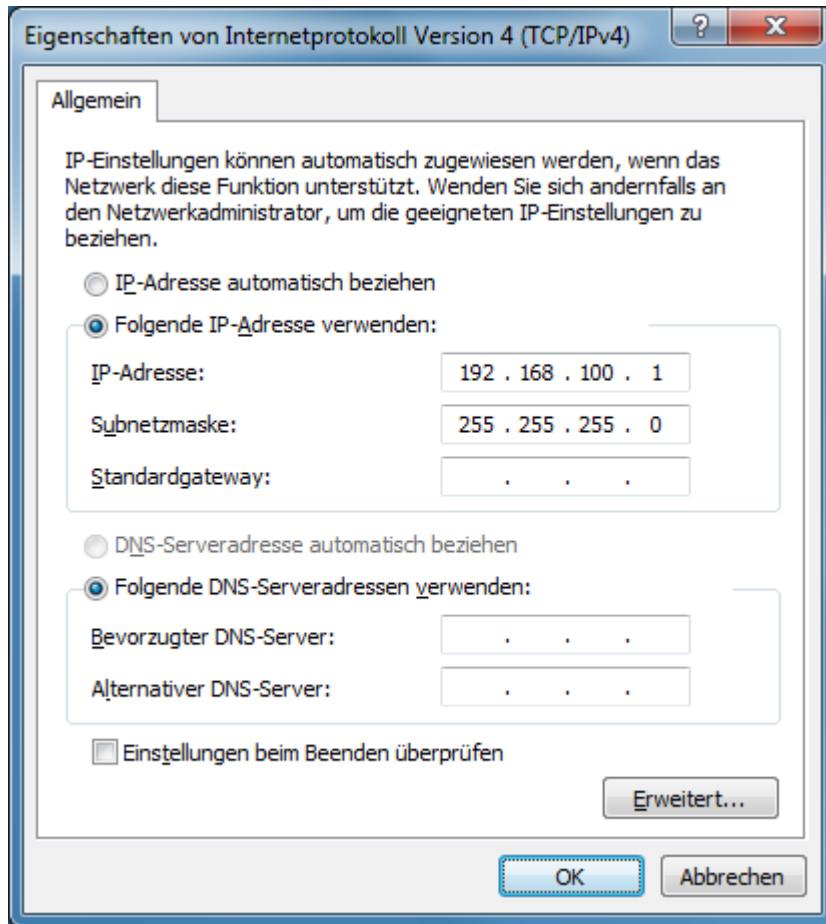


On the dialog box „Local Area Connection Properties“, please select „Internet Protocol Version 4 (TCP/IPv4)“ and open its properties.



The item „Properties of Internet Protocol Version 4 (TCP/IPv4)“ allows to set the IP address and the subnet mask of the PC Ethernet card.

Example: IP address: 192.168.100.1
 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	192.168.100.1
Subnet	255.255.255.0

b) The CamRecord is connected to a network

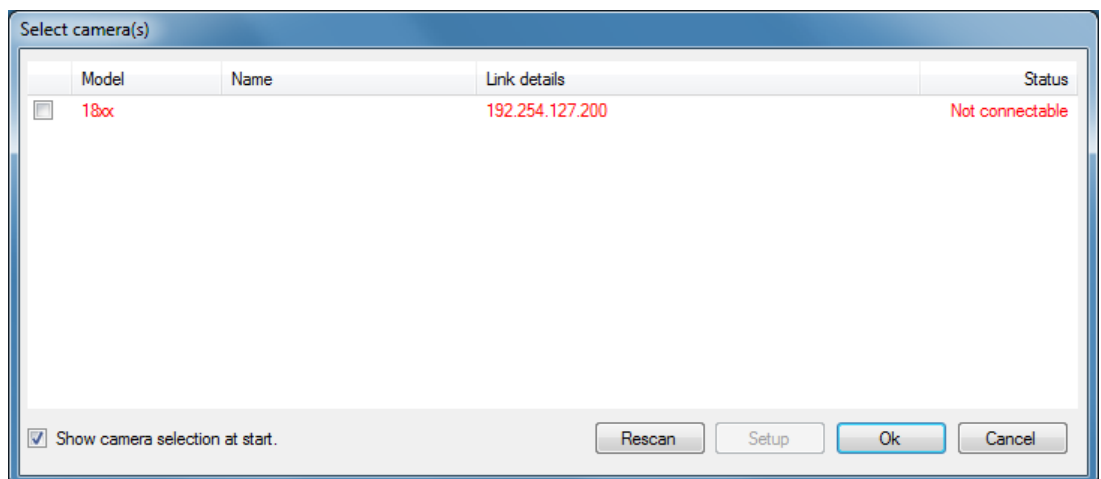
In that case, the IP address of the camera has to be modified and must be set in the same subnet than your network. Please contact your network administrator to obtain a valid IP address.

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

If there is no communication with the camera, the camera selection dialog shows a red entry with the status information “Not connectable”.

To operate the camera, the Adapter IP address must be a valid address in the same subnet as the Camera IP address.

To change Camera IP please select the camera and click on the button “Setup”.



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.

Now you can set the new IP-Address and press the Button "Apply".

The screenshot shows a dialog box titled "Configure connection data". It is divided into two sections: "Network Adapter" and "CAMERA".

- Network Adapter:**
 - IP-Address: 192 . 168 . 100 . 1
 - Subnetmask: 255 . 255 . 255 . 0
 - MAC-Address: 00-1A-A0-18-E3-6B
- CAMERA:**
 - Current IP-Address: 192 . 254 . 127 . 200
 - New IP-Address: 192 . 168 . 100 . 200 (This field is circled in red in the original image)

At the bottom of the dialog, there are two buttons: "Cancel" and "Apply".

Appendix

Customer Service

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

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In case of problems please prepare the following information:

- Name of the device:
(CamRecord CR450x2, CR600x2, CR1000x2, CR4000x2
CR5000x2)
- Serial-Number:
(bottom side of the camera)
- Operating System
Windows 7 32/64 Bit
Windows 8 32/64 Bit
Or Windows 10 32/64 Bit
- Short description of the problem