ILD-MVD (Mini Vandalproof Dome) camera installation

Required tools

- enclosed hex key
- enclosed tensioning tool
- slot 3mm, flat head screwdriver
- PH0 Phillips head screwdriver

Enclosed items

- Fixing screws and wall plugs
- Hex key
- Tensioning tool

Powering and wiring the camera

Iportant note: *In case you wish to place the power feed in direct proximity to the camera, the maximum distance between the camera and the network device can be 100 meters. If the power feed of the camera is provided by means of two unused pairs of the connected UTP cable, that is the power feed of the camera is provided on the side of the network device, the maximum distance between the camera and the network device can be 50 meters (by using Cat5e 24AWG).

Screw off counter-clockwise the two screws located on the side of the camera housing.

Wedge the tensioning tool into the gap between the top and base of the bulb. Do not rotate the bulb during this operation as it can damage the camera. After removing the bulb check if the rubber caulk in the foot is in its correct place (it is placed between the foot of the housing and the bulb).

Screw off the cable fixer ring and rubber caulk from the bottom of the camera housing.

Pull the indoor CAT5e cable (external diameter 5.5mm) through the hole. Do not use any other type (thicker or thinner) of cable as those won't fit into the hole. Pull the cable through the rubber ring and the metal cable fixer ring.

Crimp the cable. Do not use a rubber cap as it will not fit inside the camera.

Adjust the cable length than Screw the metal cable fixer ring tightly (use the flat screwdriver). Plug the RJ45 connector to the socket. Screw the bottom of the camera to the place of installation using the three screws enclosed.

Wiring the camera

Screw off counter-clockwise the two screws

Remove bulb

Screw off the cable fixer ring

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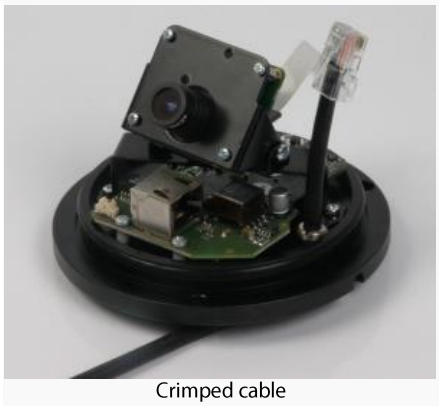
Rubber ring and the metal cable fixer ring



Crimped cable

Fix the metal cable fixer ring tightly

Plug the RJ45 connector to the socket

Adjusting the angle of view and sharpen, locking the camera bulb

Loose the side screws, adjust the angle of view than fix the moving parts with the side screws.

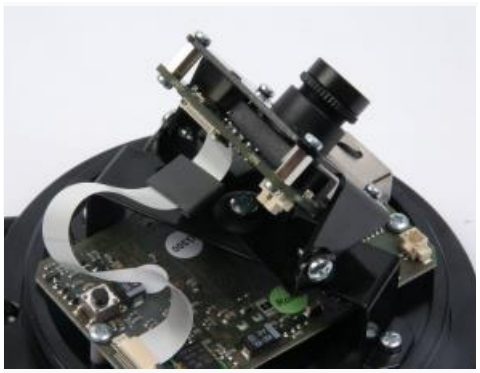
If it is neccessary, adjust the focus by loosing the lock ring than screwing the lens into the proper direction. When the image is sharp fix the lens with the lock ring.

Next, carefully place the sponge pad on the camera so that it will completely cover the front cover (this sponge pad will prevent the light of the IR LED's from being reflected back from the camera housing and deteriorating the image quality).

Put back the bulb and fix it by screwing the two side screws. Take care not to leave a gap between the bottom and top of the housing.

Adjusting the angle of view and sharpen

Loose the side screws



Adjust the focus

Put back the bulb and fix it

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Registering the cameras with the Intellio Video System

When the cameras are operating we have to find them in the network and register them to an Intellio server. All individual cameras have its own serial number (MAC address) and IP address.

We have to know the IP address of the cameras' before registering them into the Intellio System Software. Be careful! In order to register cameras with the Intellio System Software, the cameras and the Intellio Video Servers have to be in the same IP range! Please check your OS network settings at Start menu/Control Panel/Network and Internet/Network Connections/Local area Connection/Properties/Internet Protocol Version 4 (TCP/IP)/Properties and check your settings here.

DHCP

By default, Intellio cameras get an IP address from a DHCP server. Using the router's built-in configuration panel the list of DHCP clients can be checked. In this list we can see those cameras which are connected to the network and already get an IP address from the DHCP server.

Linklocal IP

In this case there is no DHCP in the network the cameras will get a default IP address based on their MAC address (Serial Number). For example: The MAC address of the camera is 00-19-B4-00-42-1A, than its IP is 169.254.aa.bb; 'aa' is the decimal value of the digit one before the last in the MAC address (hexa 42, decimal 66), 'bb' is the decimal value of the last digit in the MAC address (hexa 1A, decimal 26),the the IP is 169.254.66.26.

Scanning Cameras

Go to System Configuration/Devices, Click the "Scan" button.

Sometimes the first attempt is unsuccessful, so make sure to press "Scan" repeatedly until it succeed. If the cameras still do not show up, make sure that a firewall is not blocking the multicast protocol. If Scan has no results, the cameras have to be added manually to the system.

Videe Guide

Adding an IP address manually

If SCAN is not working or the camera has an external IP address and TCP Port use the 'Add Intellio ILD-xxx series' option. By using it the Intellio System Software will directly connect to the camera at the manually added network address. If the cameras get their default IP based on their MAC address, calculate their IP address. To add a camera manually:

Go to System Configuration/Devices, Click the "Add" button

Select "Add Intellio ILD-xxx series" from the drop-down menu

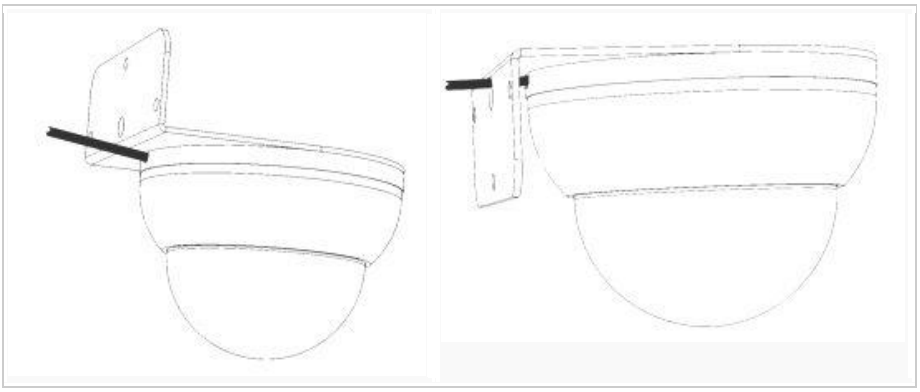
Enter the IP address of the camera into the Host name field.

Video Guide

Resetting camera to factory default

If you have already set a fix IP address for the camera and then you wish to use the camera in a network with dynamic IP addressing, the camera will not be found. In such cases reboot the camera to assign an IP address for the camera from the DHCP. Keep the reboot button pressed until the green LED starts flashing until the flashing stops.

MVD-IR Camera Installation Guide Assembled to Console



1, Pull the cable through the console than fix it to the wall with the eclosed 3 screws. Do not forget using the pillows.

2, Screw off the cable fixer ring and rubber caulk from the bottom of the camera housing.

3, After removing the bulb check if the rubber caulk in the foot is in its correct place (it is placed between the foot of the housing and the bulb).

4, Than pull the UTP cable through the bore in the foot of the camera than fix it to the console by using the 3 metric M2,5x6mm screws. Take care not to leave a gap between the camera house and the console.

5, Pull the cable through the rubber ring and the metal cable fixer ring.

6, Crimp the cable. Do not use a rubber cap as it will not fit inside the camera. Adjust the cable length than Screw the metal cable fixer ring tightly (use the flat screwdriver). Plug the RJ45 connector to the socket. Screw the bottom of the camera to the place of installation using the three screws enclosed.

7, Put back the bulb and fix it by screwing the two side screws. Take care not to leave a gap between the bottom and top of the housing.

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