

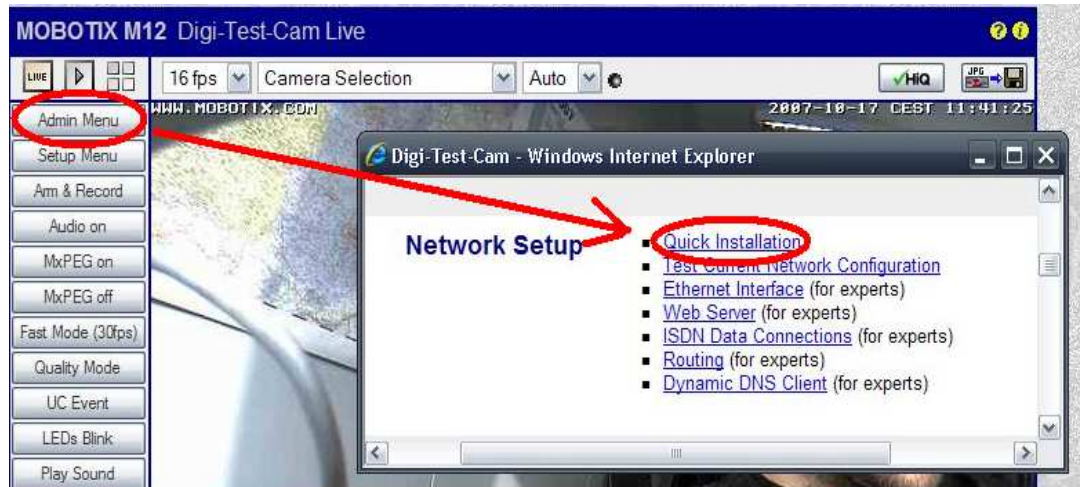


Digi IP Forwarding with IP Camera

Setup of Mobotix IP camera with Digi Cellular Products

1. Setup of Mobotix IP Camera

Setup of the basic network configuration



Quick Installation

Ethernet Interface

Assign a unique **IP address** and the **network mask** to the camera. These values consist of four numbers (0 to 255) separated by dots. They define which other IP addresses can be reached directly on your LAN. In order to access the camera from your computer via LAN, your computer needs an IP address on the same subnet as the camera.

If unsure, ask your system administrator for a valid and unique IP address and the network mask of your subnet.

Camera IP Address:

Camera Network Mask:

Hint: the factory IP address of this camera is **10.2.100.65**, the network mask is **255.0.0.0**. If these values match your network, the factory defaults should be used.



Important: The gateway address needs to be the Digi box!

Quick Installation
Default Route

Network data packets can use any of the interfaces you have just configured. For a given IP address, network routes define which interface to use. The *default route* will be used if no other route matches.

If you set the **Default Route Interface** to **Ethernet**, you have to enter the **Gateway IP Address**. A valid gateway IP address has to be reachable within the local network of the camera. Therefore its IP address has to start with: *192.168.1*.

Default Route Interface:

Gateway IP Address:

Suggestion:

2. Digi IP Forwarding Settings

IP Forwarding Settings

These settings are used to manage IP routing (forwarding) of packets between network interfaces. Static routes may be configured and added to the IP routing table to provide additional packet routing rules.

In conjunction with IP routing, Network Address Translation (NAT) settings may be configured to support communication between private and public IP networks where basic IP routing is not sufficient.

IP Routing and Static Route Settings

Enable IP Routing (Forwarding)

Note: If IP Routing is disabled, NAT is disabled.

Apply the following static routes to the IP routing table:

| Enable | Destination Network | Netmask | Gateway Address | Metric | Interface | |
|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| No static routes have been added | | | | | | |
| <input checked="" type="checkbox"/> | <input type="text" value="0.0.0.0"/> | <input type="text" value="0.0.0.0"/> | <input type="text" value="0.0.0.0"/> | <input type="text" value="0"/> | <input type="text" value="eth0"/> | <input type="button" value="Add"/> |

Network Address Translation (NAT) Settings

Select from these Network Address Translation (NAT) instances:

| Instance | Enabled | Interface Name | Action | |
|------------|---------|----------------|-----------------------------|---------------------------------|
| Instance 1 | yes | mobile0 | (Displayed) | Set to Defaults |
| Instance 2 | no | None Selected | View / Edit | Set to Defaults |
| Instance 3 | no | None Selected | View / Edit | Set to Defaults |
| Instance 4 | no | None Selected | View / Edit | Set to Defaults |
| Instance 5 | no | None Selected | View / Edit | Set to Defaults |
| Instance 6 | no | None Selected | View / Edit | Set to Defaults |



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Important: You need to add the connection first and then you need to apply!

Current Settings for NAT Instance 1:

Enable Network Address Translation (NAT)

NAT Public Interface:

NAT Table Size Maximum: entries (64-1024)

Forward protocol connections from external networks to the following internal devices:

| Enable | Forward This Protocol | Forward To Internal IP Address |
|--------------------------|-----------------------|--------------------------------------|
| <input type="checkbox"/> | GRE | <input type="text" value="0.0.0.0"/> |
| <input type="checkbox"/> | ESP | <input type="text" value="0.0.0.0"/> |

Forward TCP/UDP/FTP connections from external networks to the following internal devices:

| Enable | Protocol | External Port | Forward To Internal IP Address | Forward To Internal Port | Range Port Count | |
|-------------------------------------|----------|--------------------------------|--------------------------------------|--------------------------------|--------------------------------|--------|
| <input checked="" type="checkbox"/> | TCP | 8080 | 192.168.1.200 | 80 | 1 | Remove |
| <input checked="" type="checkbox"/> | FTP | <input type="text" value="0"/> | <input type="text" value="0.0.0.0"/> | <input type="text" value="0"/> | <input type="text" value="1"/> | Add |

With this configuration you are able to access the IP camera using the public IP address from the provider / carrier on port 8080.