

Security Vision Systems



M10 Getting Started Manual

English (EU and International)

MOBOTIX ... the new face of IP video

Table of Contents

<u>Installation Notes for MOBOTIX Cameras</u>	1
<u>ISDN Compatibility Note</u>	1
<u>Mounting the Camera</u>	1
<u>Camera Connectors</u>	1
<u>Connecting the Camera</u>	1
<u>ISDN Only (Chap. 2.3)</u>	1
<u>Ethernet Only (Chap. 2.4)</u>	2
<u>ISDN and Ethernet</u>	2
<u>Important Notes</u>	3
<u>The Administrator Password</u>	3
<u>The Password for ISDN Dial-In</u>	3
<u>Returning the Camera</u>	3
<u>EMC Compatibility Notes</u>	4
<u>Mounting the Hinged Ferrites</u>	4
<u>Declarations of Conformity</u>	5
<u>Manufacturer</u>	6

Installation Notes for MOBOTIX Cameras

All references to pages/chapters are referring to the **MOBOTIX Manual Part 2, Camera Operation**, that is supplied with every camera.

ISDN Compatibility Note

This product is suited for connecting to Euro ISDN according to TBR3/TBR 3A1.

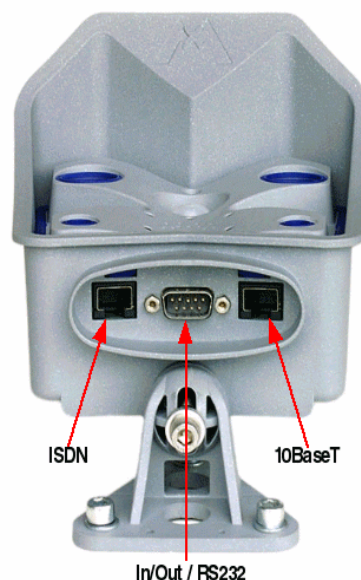
Mounting the Camera

- Find a good location for mounting the camera.
- Decide on the type of data link (Ethernet/ISDN) to use and how to supply power to the camera.
- Make sure that you can install the cables for the data links and/or power supply properly and in adherence to the maximum lengths as described in *chap. 2.3 and 2.4* of the manual.
- Mount the camera using the supplied wall mount with ball joint or one of the other special mounts available as accessory.

Camera Connectors

The camera has the following connectors:

- **ISDN**: data link for ISDN and/or power supply
- **In/Out / RS232**: serial connector and signal in/out
- **10BaseT**: data link for Ethernet (10 Mbps) and/or power supply



Connecting the Camera

ISDN Only (*Chap. 2.3*)

Using the Network Power Adapter

- Connect the **Camera** connector of the adapter to the **ISDN** connector of the camera.
- Connect the power supply:
 1. Connect the **LAN/Power** connector of the adapter to the ISDN S0 bus.
 2. Plug the RJ45 connector of the external power unit into the **PC/Power** connector of the adapter.

Network Power Adapter (recommended accessory):



Without the Network Power Adapter

- Connect the **ISDN** connector of the camera to the ISDN S0 bus to provide the data link.
- Connect the power supply:
 - ◆ **Using the ISDN S0 bus**: Connect the NT's

External Power Supply with Euro plug:

power supply in order to provide power to the camera via the ISDN cabling. If other ISDN devices are also powered via the ISDN S0 bus, you should use the external power supply for the camera.

- ◆ **Using the external power supply:** Plug the RJ45 connector of the external power unit into the **10BaseT** connector of the camera.



External Power Supply with UK plug:



Configuring the Camera Using ISDN

Follow the instructions in the manual in order to access the camera from a computer and to configure it (*chap. 2.2.3 and 2.3.4*).

Ethernet Only (*Chap. 2.4*)

Using the Network Power Adapter

- Connect the **Camera** connector of the adapter to the **10BaseT** connector of the camera.
- Connect the power supply:
 - ◆ Connecting to an Ethernet switch, hub or router:
 1. Connect the **LAN/Power** connector of the adapter to the Ethernet connector of the switch/hub/router or the wall outlet.
 2. Plug the RJ45 connector of the external power unit into the **PC/Power** connector of the adapter.
 - ◆ Connecting directly to a computer:
 1. Connect the **PC/Power** connector of the adapter to the Ethernet port of the computer.
 2. Plug the RJ45 connector of the external power unit into the **LAN/Power** connector of the adapter.

Without the Network Power Adapter

- Connect the data link:
 - ◆ Connecting to an Ethernet switch, hub or router:
 - ◇ Connect the **10BaseT** connector of the camera to the Ethernet connector of the switch/hub/router or the wall outlet.
 - ◆ Connecting directly to a computer:
 - ◇ Use a cross-over cable to connect the **10BaseT** connector of the camera to the Ethernet port of the computer.
- Plug the RJ45 connector of the external power unit (accessory) into the **ISDN** connector of the camera to provide the power supply.

Configuring the Camera Using Ethernet

Follow the instructions in the manual in order to access the camera from a computer and to configure it (*chap. 2.4.4 to 2.4.6*).

ISDN and Ethernet

You can supply power to the camera using one of the methods described above. Make sure you understand and follow the limitations that may arise from using both the ISDN and the Ethernet links as specified in *chap. 2.4.7*, depending on the software version of your camera.

Important Notes

The Administrator Password

The administration area of the camera (Live page, **Admin Menu** button) is protected by a user name and a password:

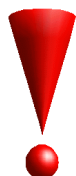


- User name is **admin**,
- Password is **meinsm**.

Make sure that you enter the user name and password as shown above, as both are case-sensitive.

When accessing the camera for the first time, the **Quick Installation** wizard will help you to set the most important parameters that are relevant for your requirements.

For security reasons it is recommended to change the administrator password after the camera has been configured properly.



CAUTION: Make sure that you store information on user names and password in a secure place. In case you lose the administrator password, it can only be reset at the factory. This service is not free!

The Password for ISDN Dial-In

Dialling into the camera via ISDN is protected by a different password. When setting up a dial-in connection from a computer, you need to specify this information (*chap. 2.3.3*):



- User name is **linux**,
- Password is **tux**.

Make sure that you enter the user name and password as shown above, as both are case-sensitive.

Returning the Camera

If you would like to send back the camera (exchange, modification, return, repair, resetting the administrator password, ...), you need an **RMA** (Return Material Authorization) number.

In order to obtain the RMA number, please call MOBOTIX (+49 631 3033-101).



Please do not send a camera without a valid RMA number as this would incur more costs.

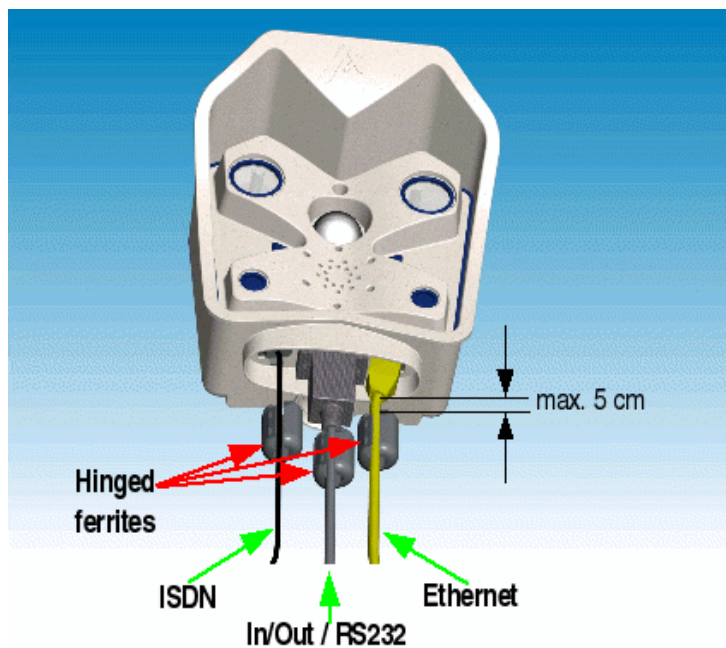
EMC Compatibility Notes

Depending on the software version of the camera and the connectors used, the permissible values for EMC (electromagnetic compatibility) may be exceeded. In order to prevent this from occurring, every camera is delivered with a hinged ferrite.

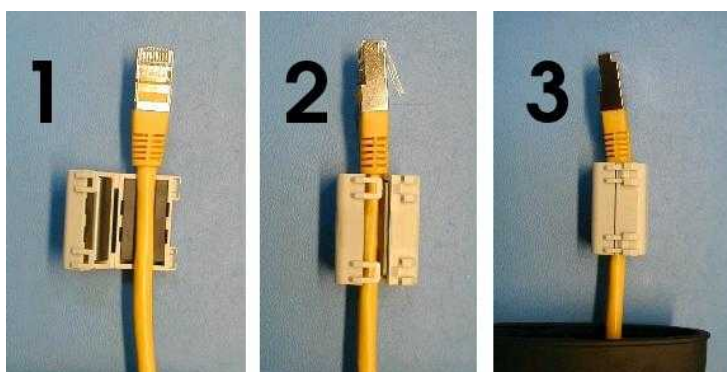
Mounting the Hinged Ferrites

In order to comply to the rules of EMC, **all** connections to the camera need to be guarded with hinged ferrites:

- When mounting the ferrites, make sure you mount them as closely as possible (max. distance: 5 cm/2") to the connectors that plug into the camera:



- Make sure that the hinged ferrites snap shut properly when mounting them:



If you need more ferrites for your application, you can order the required ferrites by calling MOBOTIX (+49 631 3033-101) or by sending an email to support@mobotix.com. Please make sure that you supply the serial IP(s) of the camera(s).

Declarations of Conformity

Konformitätserklärung gemäß dem Gesetz über Funkanlagen und Telekommunikationsendeinrichtungen (FTEG) und der Richtlinie 1999/5/EG (R&TTE)

Declaration of Conformity in accordance with the Radio and Telecommunications Terminal Equipment Act (FTEG) and Directive 1999/5/EC (R&TTE Directive)

Déclaration de conformité selon la loi sur les équipements hertziens et les équipements terminaux de télécommunication (FTEG) et la directive 1999/5/EC (R&TTE)

Hersteller/verantwortliche Person: MOBOTIX AG
Manufacturer/responsible person:
Fabricant/personne responsable :

erklärt, dass das Produkt: Netzwerk-Kamera
declares that the product: Network camera
déclare que le produit : Caméra de réseau

Typ: M10/V10
Type:
Type :

Telekommunikations(Tk-)endeinrichtung Netzwerk-Kamera zum Anschluss an das EURO-ISDN
Telecommunications terminal equipment Network camera for connection to the EURO ISDN
Équipement de terminal de télécommunication Caméra de réseau pour connecter au RNIS EURO

Verwendungszweck: Übertragung von Bildern und Toninformationen
Intended purpose: Transmission of images and audio information
Le but suivi : Transmission d'images et du son

bei bestimmungsgemäßer Verwendung den grundlegenden Anforderungen des § 3 und den übrigen einschlägigen Bestimmungen des FTEG (Artikel 3 der R&TTE) entspricht.
complies with the essential requirements of §3 and the other relevant provisions of the FTEG (article 3 of the R&TTE Directive), when used for its intended purpose.
est conforme aux exigences fondamentales du paragraphe 3 du FTEG (article 3 du R&TTE) et des autres clauses s'y rapportant.

Gesundheit und Sicherheit gemäß § 3 (1) 1. (Artikel 3 (1) a))
Health and safety requirements pursuant to § 3 (1) 1. (article 3 (1) a))
Santé et sécurité conformes au paragraphe 3 (1) 1. (article 3 (1) a))

angewendete harmonisierte Normen: EN 60950:2000 (NSR 73/23/EWG & 93/68/EWG)
harmonised standards applied: (LVD 73/23/EWG & 93/68/EC)
normes harmonisées : (Directive Basse Tension 73/23/EWG & 93/68/EC)

Schutzanforderungen in Bezug auf die elektromagn. Verträglichkeit § 3 (1) 2, Artikel 3 (1) b))
Protection requirements concerning electromagnetic compatibility § 3 (1) 2, (article 3 (1) b))
Exigences de protection concernant la compatibilité électromagnétique, paragraphe 3 (1) 2; (article 3 (1) b))

angewendete harmonisierte Normen: EN 61000-6-2 EN 55022, Class B (EMV-RL 1995/5/EG
harmonised standards applied: EN 61000-6-3 EN 61000-4-2 (R&TTE))
normes harmonisées : EN 61000-4-3 (EMCD 1995/5/EG
EN 61000-4-4 (R&TTE))
EN 61000-4-5 (Directive EMC 1995/5/EG
EN 61000-4-6 (R&TTE))
EN 61000-4-11

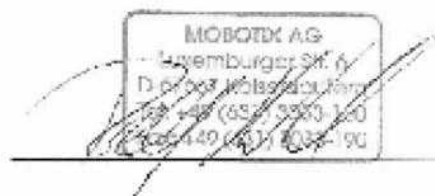
Anschrift: MOBOTIX AG
Address: Luxemburger Str. 6
Adresse : 67657 Kaiserslautern
Germany

+ TK-Nr. / Phone number / N° de communication:

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Kaiserslautern, 28.04.2004

Ort, Datum
Place & date of issue
Lieu et date



Dr. Ralf Hinkel
Vorstand/CEO, MOBOTIX AG

Name und Unterschrift
Name and signature
Nom et signature

MOBOTIX ... the new face of IP video

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\$Revision: 1.15 \$

