IP KNX interface
for Mobotix IP cameras

Technical specifications and installation instructions
Item number 70199
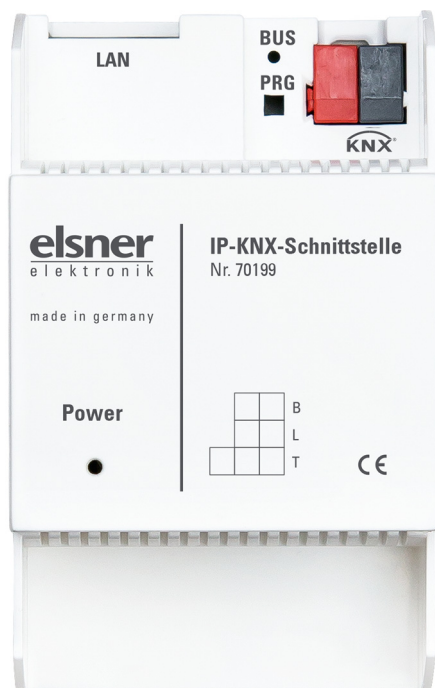
1.   Description

The **IP KNX interface** serves to transmit data between the Mobotix IP cameras and the KNX bus system. For this purpose, the KNX telegrams are converted into the Ethernet protocols and sent to the LAN in which the cameras are installed (and vice versa).

Features:
- Communication with 8 IP cameras with 8 input and 8 output objects each
- Transfer of the camera events to the KNX bus
- Controlling the camera via the KNX bus
- KNX Bus Terminal and Ethernet / IP Connection (POE)
- Suitable for IP cameras that meet the communication requirements as described in the camera settings in the manual

Configuration is made using the KNX software ETS. The **product file** can be downloaded from the Elsner Elektronik website on **www.elsner-elektronik.de** in the "Service" menu.

1.0.1. Scope of delivery

- IP KNX Interface

1.1.   Technical specifications

Housing	Plastic
Colour	White
Assembly	Series installation on a mounting rail
Protection category	IP 20
Dimensions	approx. 53 x 88 x 60 (W x H x D, mm), 3 modules
Weight	approx. 110 g
Ambient temperature	Operation at 0...+65°C, storage at -40...+70°C
Ambient humidity	max. 90% RH, avoid condensation
Operating voltage	• POE (Power Over Ethernet), IEEE 802.3af, Category 1 • KNX bus voltage
Power	on bus: 10 mA
Ethernet/IP connection	LAN jack RJ45
KNX bus connection	KNX +/- bus connector terminal
BCU type	integrated micro-controller
PEI type	0
Group addresses	max. 1,024
Assignments	max. 1024
Communication objects	897

The product is compliant with the provisions of EC guidelines.

2.   Installing and commissioning

2.1.   Installation notes

Installation, testing, operational start-up and troubleshooting should only be performed by an electrician.

CAUTION!
Live voltage!
There are unprotected live components inside the device.
- National legal regulations are to be followed.
- Ensure that all lines to be assembled are free of voltage and take precautions against accidental switching on.
- Do not use the device if it is damaged.
- Take the device or system out of service and secure it against unintentional use, if it can be assumed, that risk-free operation is no longer guaranteed.

The device is only to be used for its intended purpose. Any improper modification or failure to follow the operating instructions voids any and all warranty and guarantee claims.

After unpacking the device, check it immediately for possible mechanical damage. If it has been damaged in transport, inform the supplier immediately.

The device may only be used as a fixed-site installation; that means only when assembled and after conclusion of all installation and operational start-up tasks and only in the surroundings designated for it.

Elsner Elektronik is not liable for any changes in norms and standards which may occur after publication of these operating instructions.

2.2. Setting up and connecting the device

Fig. 1
Series installation on the mounting rail (3 TE)

1) *IP connector*
2 *Programming LED and programming buttons (PRG)*
3) *Bus terminal slot (KNX +/-)*
4) *Power LED (supply voltage/Bus)*

2.3. Instructions for assembly and initial start-up

Never expose the device to water (e.g. rain). This can damage the electronics. A relative air humidity of 90% must not be exceeded. Avoid condensation.

After the operating voltage has been applied, the device will enter an initialisation phase lasting a few seconds. During this phase no information can be received or sent via the bus.