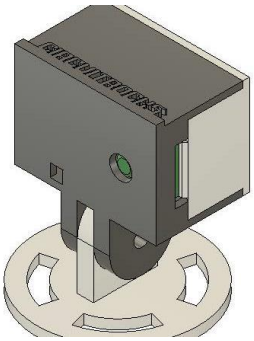
BCi3002-X

IMAGE PROCESSING MODULE

Wi-Fi | Meter Reading & Recognition | MQTT / HTTP



DESCRIPTION

The BCi3002-X is a Wi-Fi image-processing module that reads meters and recognises images on site. It has its own web interface and supports MQTT, UART, HTTP and other protocols.

It works with the BCV90010 cloud servers, so readings and events are available in the mobile apps and on a computer.

Models

Model	Dedicated to
BCi3002-M	Water and energy meter reading
BCi3002-MPro	Water and energy meter reading, with additional memory to store and recall readings
BCi3002-G	Gas meter reading
BCi3002-C	Car-parking management systems
BCi3002-I	Face-recognition applications

All models are configured from the web application, where the user manages all network settings and communication parameters.

Applications

- Electricity and energy meters
- Water meters
- Gas meters
- Car-parking management systems
- Face-recognition applications
- Access-control systems

Configuration

Connect to the module over the LAN to configure it.

Default IP addresses: LAN 192.168.1.150. Subnet mask 255.255.255.0, gateway 192.168.1.1.

Default login: username **admin**, password **password**. Change the password at the first login.

Mounting & Safety Instructions

- The device should only be installed and put into operation by a qualified electrician or authorized person.
- Failure to observe these instructions may damage the device and may result in fire or other hazards.
- The module is powered from 5 VDC. Do not connect any other power source to its inputs.
- Ensure adequate insulation and separation between 230 VAC cables and the input/communication cables.
- Install only in dry indoor locations. Do not expose the device to direct sunlight, rain or high humidity.
- Do not use aerosol sprays, solvents or abrasives that may damage the device.
- The device must remain accessible for operation and visual inspection.

Technical Data

Parameter	BCi3002-MPro	BCi3002-M	BCi3002-G / C	BCi3002-I
Power Supply	5 VDC	5 VDC	5 VDC	5 VDC

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Parameter	BCi3002-MPro	BCi3002-M	BCi3002-G / C	BCi3002-I
Wi-Fi	Yes	Yes	Yes	Yes
USB Port	No	No	No	No
Additional Memory	Yes	No	No	No
MQTT	Yes	Yes	Yes	Yes
HTTP	Yes	No	No	No
Number of Users	1	1	1	Unlimited
Cloud Service	Optional	Optional	Optional	Optional
Web Interface	Yes	Yes	Yes	Yes
Video Surveillance	Optional	Optional	Optional	Optional

Environmental & Device Parameters

Parameter	Specification
Operating Humidity	< 90% RH (non-condensing)
Storage Humidity	Up to 92%
Operating Temperature	-1 °C to +45 °C
Storage Temperature	-15 °C to +70 °C
Transport Temperature	-15 °C to +75 °C
Protection Type	IP20
Insulation Class	II
Mounting	Customized to the application
Flammability	Non-flammable product
Weight	124 g
Dimensions (W × H × D)	53 × 38 × 44 mm
Available Colors	White & Gray

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