

DIGITAL IMAGE PROCESSING

JIDOSHA, MAP



OCR/LPR, PROCESSING ACCELERATOR MODULE

PUMATRONIX has developed **JIDOSHA OCR**, a software library for automatic reading of various alphanumeric codes. It can easily be integrated with client applications, such as automated city management, public safety, highway control and inspection (truck scales, tolls and others), railways, ports and parking lots.

Anticipating vehicle monitoring situations in locations with embedded processing infrastructure, we have developed an industrial device called **MAP** (Processing Accelerator Module).

It was designed to be used with the **ITSCAM** line of image capture equipment, and uses the same open communication protocol. New and already operating facilities can thus benefit from the reduced image processing time when looking up a registered vehicle license plate.

USES

- Toll roads operators
- Traffic supervision
- Smart cities
- Truck scales
- Port terminals
- Vehicle access control

OCR

- Versions for 32-bit and 64-bit Windows, 32-bit and 64-bit Linux x86, Linux for ARM (with or without hardware acceleration/FPGA), Android and built into the ITSCAM line. Other platforms upon request
- Compatible with several programming languages, such as C, C++, .NET, Java, Delphi and Python
- Supports multithread/multiprocess
- License control via USB hardkey (no driver installation required) or license file (Android and Arm with hardware acceleration/FPGA)
- Each library consists of one DLL (Windows) or shared object (Linux) and wrappers for use from various programming languages

JIDOSHA LPR

- OCR for vehicle license plates recognition
- Multiple country support
- Can be embedded in other devices

JIDOSHA CONTAINER

- Recognition of container codes (ISO 6346 standard)

JIDOSHA RAIL

- Recognition of railway wagon codes (RFFSA standard)

MAP

- Dedicated hardware for OCR/LPR processing
- Analysis and rapid image processing at 10 fps
- Configurations via web interface

TECHNICAL SPECIFICATIONS



MAP Specifications

Approximate weight	250g
Material	Aluminum
Operating temperature	-30° to 60°
Dimensions	139 mm x 88 mm x 25 mm (L x W x H)
Power Supply	24VDC, 1A
Operating temperature	-10 to 60 °C
PoE Ethernet	Standard 802.3af
Alternate Communication	USB - A
Storage	32GB MSD
Clock	RTC

