



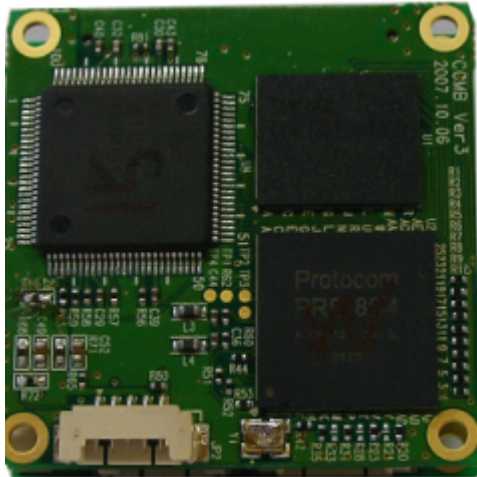
ntel IP

Pancode IP mini-server

Technical description

Introduction

The MINI SERVER which is installed in the IP Pancode/Pantel is an extremely small (38mm x 38mm) and high performance MPEG4/JPEG network A/V server board .



mini-server: 38x38x16mm

Built-in De-Interlace Filter

With a built-in de-interlace filter, MINI SERVER produces artifact free video and provides superior video quality (clean and full D1 30fps MPEG4 / JPEG) just like a progressive network camera.

Dramatically eases design of network cameras

The MINI SERVER is a mini network A/V server board that provides flexibility for easy, cost-effective design of today's network cameras. In order to allow for flexible interfacing to your network camera application, the MINI SERVER provides all the appropriate headers such as an analog video input, an analog audio input, two sensor inputs, a relay output, a analog video loop output, an analog audio output, a factory reset, an RS-485 port and an RJ-45 port. Additionally, the size of MINI SERVER is very small (38mm x 38 mm).

Completely self-contained

The following softwares and a user's manual needed to produce a network camera are provided together with MINI SERVER.



Features

- Available in very small size 38mm x 38mm
- MPEG4 30fps streaming at D1 resolution
- JPEG
- ADPCM bi-directional audio
- Encryption : ID, password, video, audio, data
- Embedded Linux
- ARM9
- FLASH memory : 16MB
- SDRAM : 64MB
- Two sensor inputs (sensor1 input, sensor2 input, GND)
- Relay control output (relay control output, GND)
- Video input (video input, GND)
- Video loop output (video output, GND)
- Audio input (microphone, GND)
- Audio output (speaker, GND)
- Factory reset
- RS-485 port (RS-485+, RS-485-)
- RJ-45 port (Tx+, Tx-, Rx+, Rx-)
- Power port (DC 12V, GND)

Interface (I/O)

Factory reset (factory reset, GND)

If a jumper between the factory reset and the ground at the MINI SERVER is short while the power is on, all the parameters of the board will be initialized to the same values as they are initialized in the factory.

- Sensor input (sensor input, GND)
A sensor can be connected between the sensor1 input and the ground or between the sensor2 input and the ground.
- Relay control output (relay control output, GND)
A relay can be connected between the relay control output and the ground.
- Video input (video input, GND)
The video output from an analog camera can be connected to the video input.
- Video loop output (video loop output, GND)
The video loop output is the loop output of the video input and can be connected to the video input of a CCTV monitor, DVR and VTR.

- Audio input (microphone, GND)
A microphone can be connected between the microphone and the ground.
- Audio output (speaker, GND)
A speaker can be connected between the speaker and the ground.
- RJ-45 port (Tx+, Tx-, Rx+, Rx-)
A LAN cable or RJ-45 jack can be connected to Tx+, Tx-, Rx+ and Rx-.
- RS-485 port (RS-485+, RS-485-)
An RS-485 device such as a pan/tilt module can be connected between the RS-485+ and the RS-485-.