

Item no.: BPI-D1

BPI-D1 - Banana Pi - Open-Source IP Camera Board

from **22,67 EUR**

Item no.: BPI-D1
shipping weight: 0.10 kg
Manufacturer: BPI



Product Description

Banana Pi BPI-D1 - Open-Source IP Camera Board

The Banana Pi BPI-D1 is the smallest open-source development board around, with a built-in HD mini camera. At 36 x 36 mm and weighing in at 10 g, its much smaller and lighter than any mini-cam or camera board out there. It allows you to create and customize your own mini-cam and can be a valuable part of any cool hardware you are working on. The D1 prides itself on providing high-resolution image quality: Both video and photos are captured at 1280 x 720p with a video capture rate of 30 fps.

The BPI-D1 is designed specifically to give you all the multimedia tools you need in one small package. Simply connect to an external battery source (with your desired power capacity), and the D1 does the rest: there's a HD mini-cam, audio sensor, microphone, CPU, GPIO, Wi-Fi, and more - the D1 has it all.

- CPU: 400 MHz ARM926EJ 32-bit RISC Core
- RAM: 64 MB DDR2
- Flash: 16 MB SPI Flash
- Storage: Micro SD card slot, supports 8,16 and 32 GB TF cards
- CMOS: CMOS image sensor SoC 30 fps (at) 720P, visible light with 940 nm two-way infrared lens filter, with infrared night vision function
- Lens: M7*P0.35 EFL = 3.0 mm / F.NO = 2.8 / view angle = 60°
- Video: Achieves H.264 hardware encoding at 1280 x 720p_30 fps, 32GB TF card can store 120 hours of video data
- Audio: MP3 / WMA / AAC
- Wi-Fi:
 - USB Wi-Fi (option): Wi-Fi module can be switch between AP and SLAVE mode, easy to configure
 - BPI-D1 support WPS mode
- RTC: RTC circuit, supports OSD
- PM: Supports Li-ion charging with built-in AXP173 power management chip
- MIC: Embedded microphone
- Power consumption:
 - Recording: 5 V - 200 mA
 - Wi-Fi on: 5 V - 350 mA
 - Continuously records 720P video or audio data for 24 hours when a mobile power of 10000 mAh is available
- GPIO:
 - UART/2GPIO
 - PWM/2GPIO
 - I2C
 - Audio Line IN
 - HP Audio Out L
 - HP Audio Out R
 - 1x SPI Interface
- ART: Independent UART debugging interface
- USB: USB programmatic interface / OTG device (Wi-Fi module/USB drive)
- DC IN: Micro USB single +5 V power input
- Battery: 3.7 V Li-ion socket
- OS: Runs on Linux 3.4.35, Kernel operation system that makes secondary development possible

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability



