



PCCam is a smart camera integrating a VGA CMOS sensor and a complete industrial PC in a compact housing. Images captured can be processed locally and /or transmitted over one of the standard interfaces available. The popular PC environment allows simple development and deployment of applications.

FEATURES

- Rugged and compact smart camera with integrated PC
- Fully integrated standard x86 PC architecture
- Operating systems: Linux
- PC-like connectivity (mouse, keyboard and display support)
- PC standard software development
- Colour CMOS high dynamic range optical sensor
- Real time and high speed acquisition, directly into RAM memory
- VGA / CVBS video output
- Support for wireless modules

APPLICATIONS

- ALPR, Automatic License Plate Recognition
- Security and Surveillance
- Quality and Process Control
- Medical and Biometrical Inspection
- Number Plate Reader
(License Plate, other Identification Plates)

TECHNICAL FEATURES

CPU

Fully integrated x86 system chip with Intel MMX support and accelerated 2D graphics.
NS Geode SC2200 CPU
32-bit X86 Compatibility
266MHz Clock
ACPI Power
On Chip Video Processor, Super I/O

Image Sensor

High dynamic range colour CMOS sensor
640x480 Pixels Array
1/3" Array Size
12-bit A/D Converter
30 frame/sec Full Res. Frame Rate
2.7 V/lux.s Sensitivity
62-110 dB Dynamic Range

Dimensions

53 (W) x 64 (H) x 150 (L) mm

Interfaces

Ethernet
USB
RS-232
VGA Video
Audio in/out
Mouse Keyboard
TTL opto-coupled (24V) Digital I/O

Memories

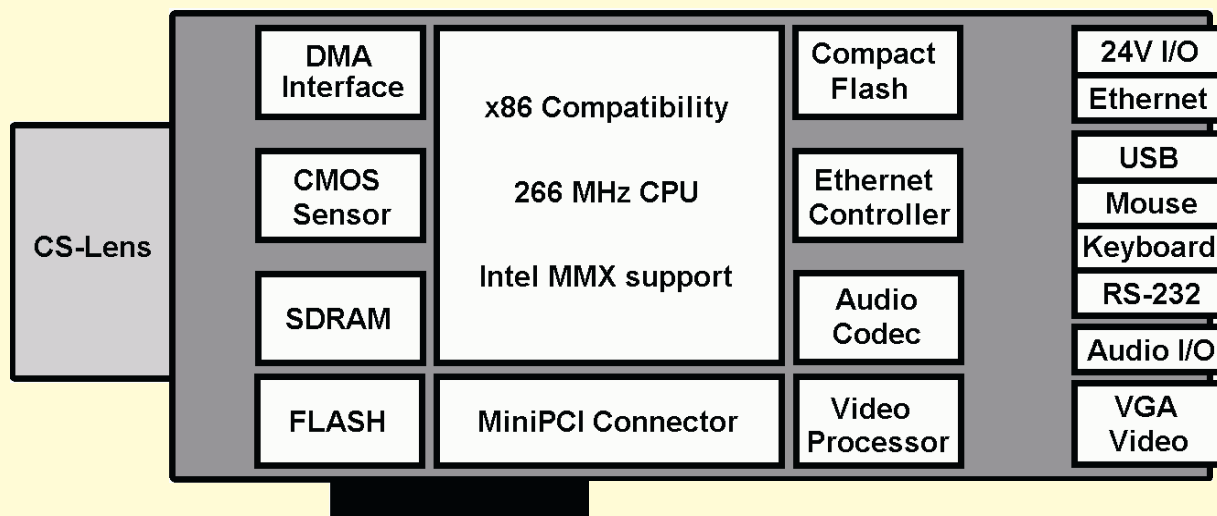
Configurable RAM and FLASH memories size.

Additional/Optional Interfaces

Mini PCI Connector for additional peripherals, Wireless Connection, Compact Flash, Custom I/O expansion.

Power Supply

Camera operates on a 12 V supply voltage.
No moving parts.



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