VIMICRO
中星微电子

Vilar-1 M-JPEG IP Camera Turn-key Solution

Key Features

M-JPEG IP Camera

30fps@VGA

10M/100M Ethernet

Multi networking protocol

Embedded WEB Server

3-levels accessing rights

Support Video Encryption

Motion Detection

Alert input/output IFx

Vilar-1 is Vimicro's first generation IP Camera turn-key solution, combines the functionality of video surveillance with the reliability and scalability of 10M/100M Ethernet, target for fast-increasing IP Camera market.

No professional skills need to install and setup, you can get the Vilar-1 enabled IP camera connects quickly and easily to the existing fast Ethernet network, in a matter of minutes.

Vilar-1 provides the built-in web server which means that it can stream video images directly to the internet. Video image captured by Vilar-1 can be viewed remotely by typing the IP address of the IP Camera into a web browser. With the user-friendly web-based interface, Vilar-1 can be managed and configured from anywhere with the internet connection.

With the Vilar-1 private Dynamic DNS service, you can assign an easy-to-remember name and domain. This allows you to remotely access your camera without remember the IP address, even if it has been changed by your Internet Service Provider.

Powered with Vimicro's image processing chip and ARM7-based processor, Vilar-1 provide high quality video with faster networking, give customers 30fps@VGA internet video.
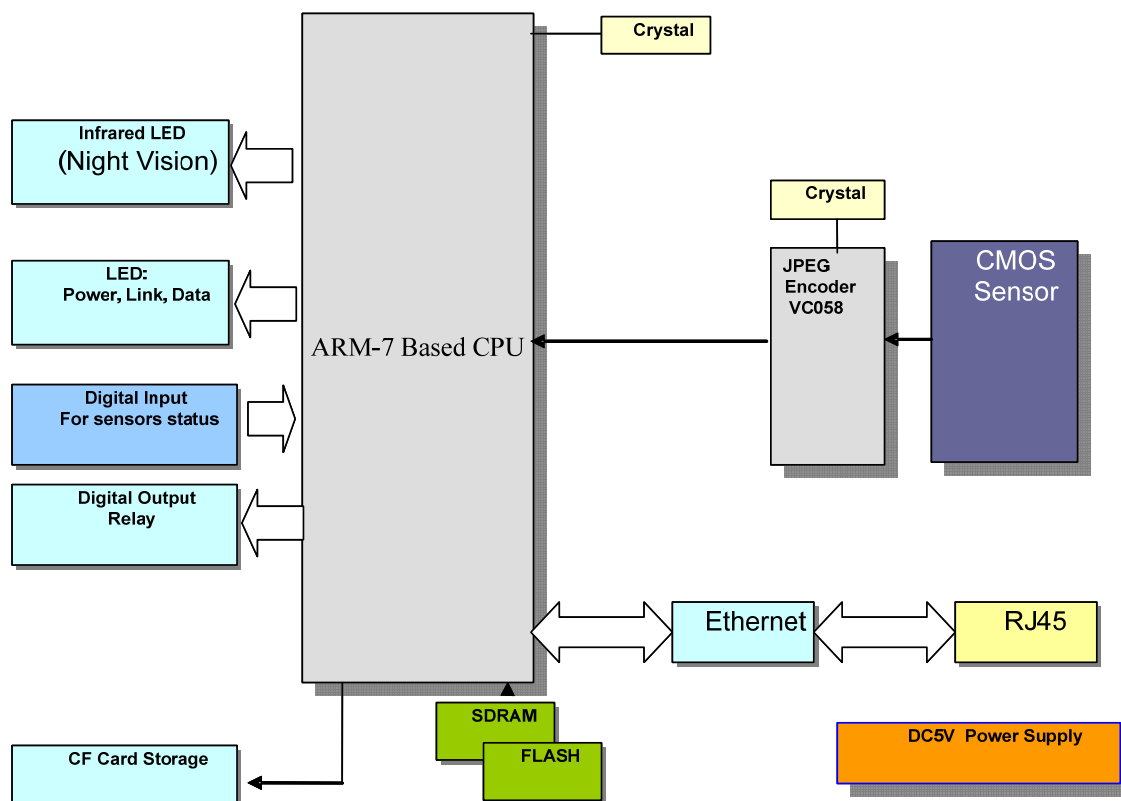
Vilar-1 supports up to 2GB Compact Flash local storage capability, make it possible to store picture when motion detected or alert input issued. You can access and manage the local stored picture remotely. Besides storing picture, Vilar-1 support also automatically send email to assigned address, inform user at any time when attention need. Vilar-1 also supports remote browsing user take a picture or record the video to the remote PC.

The video stream captured by Vilar-1 can be encrypted before transferred to the network, nobody can access your camera video stream without the correct key, the powerful 128-bit AES encrypt algorithm implemented on each JPEG frame, this can protect your video contents when it go through the network. Vilar-1 also support the

3-levels accessing rights control and HTTP BASIC authentication mode, provides flexible control to permit accessing to only the qualified user.

Block Diagram

Crystal

Infrared LED
(Night Vision)

LED:
Power, Link, Data

ARM-7 Based CPU

Crystal

JPEG
Encoder
VC058

CMOS
Sensor

Digital Input
For sensors status

Digital Output
Relay

Ethernet

RJ45

SDRAM

FLASH

DC5V Power Supply

CF Card Storage

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