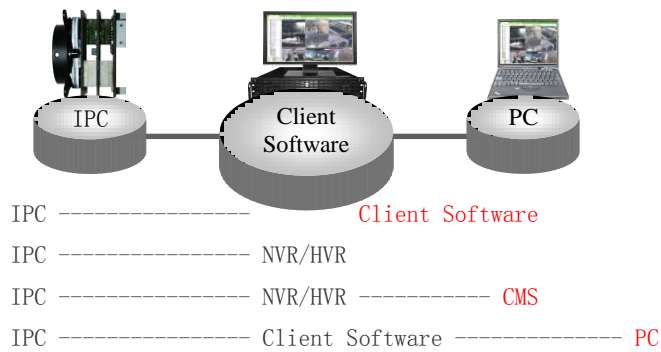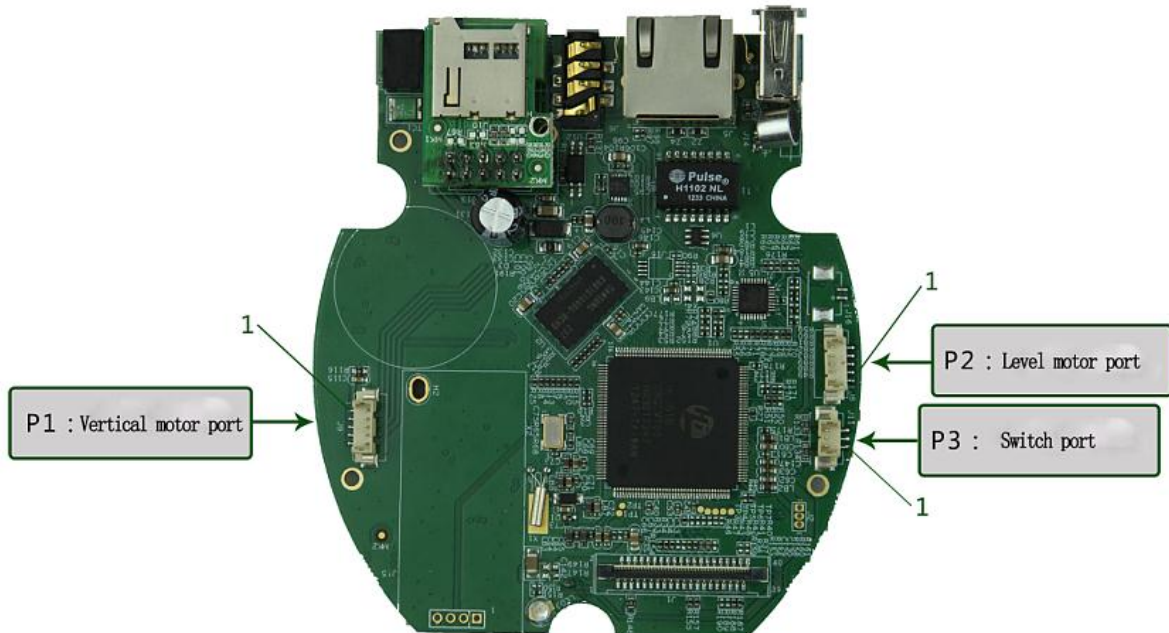# 1.0M CMOS household robot IP camera module

1.0M CMOS sensor is widely applied due to its high performance-price ratio, high definition is the developing trend of product, the popularity of 720P marked the beginning of security revolution. In order to provide HD solution with best performance-price ratio,we specially developed an HD IP module (50H10 series).Standard size is convenient to robot case installation, support to shift light filter, sensor, encode, transfer.Self enclosed with free CMS software to record/preview /playback, support wide area network transfer,provide NVR/HVR for special system with requirement of stability, provide MYEYE platform for central manage surveillance system, open SDK for 2nd development freely.

1. Application


```
IPC ---------------              Client Software
IPC --------------- NVR/HVR
IPC --------------- NVR/HVR ---------- CMS
IPC --------------- Client Software -------------- PC
```

2. Interface

P1 : Vertical motor port

P2 : Level motor port

P3 : Switch port

3. Model

IPG-50H10PL-R

4. Specification

Model	IPG-50H10PL-R

System	Embedded RTOS design,dual core DSP(Hi3518C),pure hardware compression,watchdog,
Sensor	1/4" OV 9712 CMOS sensor,support Day/Night(IR cut optional), photoresistor signal linkage;supportCS lens and DC drive auto iris lens;color 0.6ux@F1.2, B/W 0.08 Lux@F1.2
Video	H.264 compression,support dual stream,AVI format, stream:0.1M~6Mpbs; frame:1~30fps
Resolution	Main stream:1280*720;Sub stream:704*576
Audio interface	1ch input,electrical level 2Vp-p,impedance 1kΩ,support pickup input;1ch output, impedance 16Ω,30mv output power,support to connect the headset or power amplifier
Audio processing	G.711 standard compression,support two-way Bidrectional Talk,support for audio and video synchronization
Network	1 x RJ45, 10/100M, support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP
USB interface	One USB interface,support WIFI/3G
Alarm input	1 channel
Alarm output	1 channel
Motor interface	1 level motor interface,1 vertical motor interface,1 limit switch
SD card	Support,maximum 32G
Function	Support WEB configuration, OSD, realtime video transmitting, support motion detect and IO alarm activated to remotely recording,screen pop up,message,playback and download,support JPEG capture, support CMS&MYEYE, SDK available
ONVIF	Support
Mobile Monitor	Support iPhone,Windows Mobile,BlackBerry,Symbian,Android
other	DC 5V