



AVERLOGIC

Video Solutions Provider

Color & Sound

AL582

H.264 Video Streaming
SOC Solution



Oh yes we can!

Smooth **H.264** high speed video streaming
and picture-perfect HD over WIRELESS.



How can the AL582 solution optimize products for specific applications?

The AL582 solution features a **rich video interface** and video conversion capabilities- this helps system manufacturers make various product lines and achieve **product differentiation**. Unlike many OS-based products, the AL582 solution is an **embedded design based platform** that **does not need drivers** for Wi-Fi, SD Card and File System functionality - this means a product can **easily stream live video & audio to a smart phone**. Even without a smart device, PC, or DVR, the AL582 solution uses an **H.264 & JPEG Codec** that allows you to have a AL582 device transmitting while another AL582 device is receiving on the other end. The **embedded MCU80251** is an entry-level MCU platform that designers can process easily. **System-bootup is also much faster** than OS-based platforms.

Stream wireless HD Video
from any CAM with the AL582!



AL582
Sport Cams



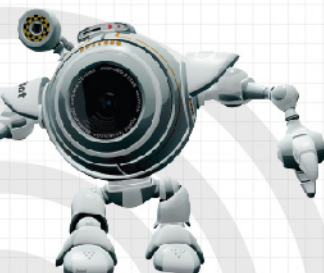
AL582 Drone Cams



AL582 Medical
Video Cams



AL582 Pet Cams

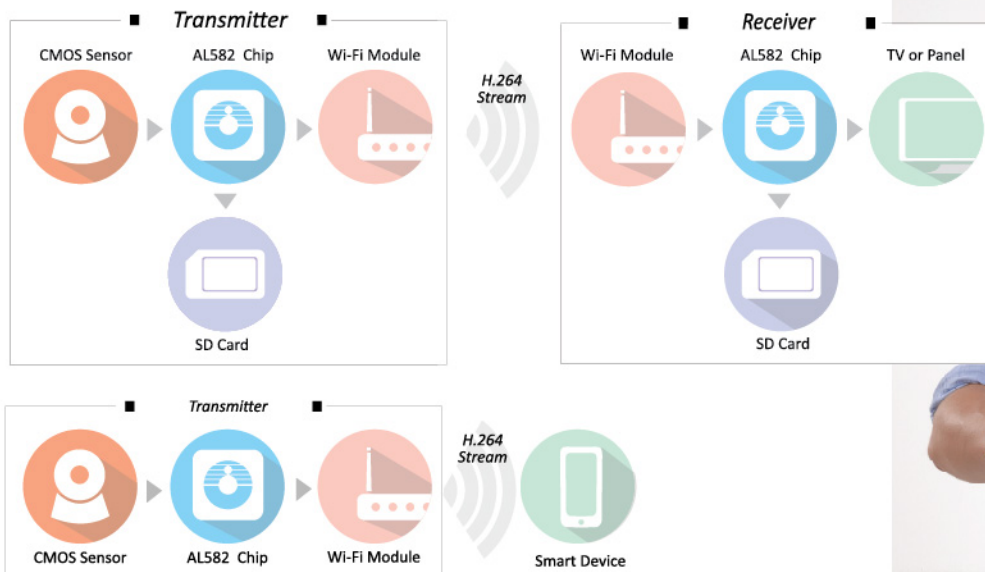


AL582 Toy Cams



The AL582 is a small-footprint, highly integrated SoC, which is **environmentally-friendly** and **energy-saving**. The most important key point is that AverLogic provides **comprehensive technical support and software development kits**.

How the AL582 streams



What is the next step for the security and surveillance industry?

Trends in the current video surveillance market indicate extremely high demand for home-oriented applications with widespread integration of mobile phones and tablets. The availability of Internet and 4G LTE mobile communications along with the gradual maturation of the technology are forcing professional video surveillance vendors to ponder their next moves in order to avoid specification wars while creating new innovative markets, solving current problems, and moving into mobile, wireless, and home-oriented applications.

The entire video surveillance industry is facing a bottleneck.

Few chip solution providers have control over system manufacturers, who use similar production solutions for different applications, no matter how sophisticated or simple - therefore, products lack segmentation and differentiation for specific applications.

AL582 Solution Features

- No OS necessary
- Embedded MCU and DDR used for small sized products
- Supports rich video interface
- Supports Wi-Fi interface for Smart Phone applications
- Embedded CODEC for local playback function
- Low power design for mobile applications
- Comprehensive technical support and software development kits

No OS! No Drivers!
Embedded MCU80251

Fast system boot up

Wi-Fi support

Small package footprint

H.264/JPEG CODEC

Rich video interface



Wireless Home Monitoring