

Features

CPU

- ARM Cortex™-A7 Quad-Core
- 256KB L1 Cache
- 1MB L2 Cache

GPU

- PowerVR™ SGX544MP2
- Complies with OpenGL ES2.0, OpenCL 1.x, DX 9_3

Video

- UHD H.264 4Kx2K video decoding
- Multi-format FHD video decoding, including Mpeg1/2, Mpeg4 SP/ASP GMC, H.263, H.264, etc.
- H.264 High Profile 1080P@60fps encoding
- 3840x1080@30fps 3D decoding, BD/SBS/TAB/FP supported
- 3840x1080@30fps 3D encoding
- Complies with RTSP, HTTP, HLS, RTMP, MMS streaming media protocol

Display

- Dual-Channel LVDS 1920x1080@60fps
- 4 lanes MIPI DSI 1920x1200@60fps
- Dual-channel RGB/CPU LCD 2048x1536@60fps
- Integrated HDMI1.4 1080p@60fps

Camera

- Integrated Parallel & MIPI I/F sensor
- Integrated powerful ISP, supporting Raw Data CMOS sensor
- Supports 5M/8M/12M CMOS sensor
- Supports 8/10/12-bit YUV/Bayer sensor

HawkView ISP

- Static and dynamic defect pixel correction and lens shading correction
- Anisotropic non-linear Bayer interpolation with false color suppression
- Programmable color correction, dynamic range compression and contrast enhancement
- Advanced spatial de-noise filter
- AE/AF/AWB
- Anti-flick detection