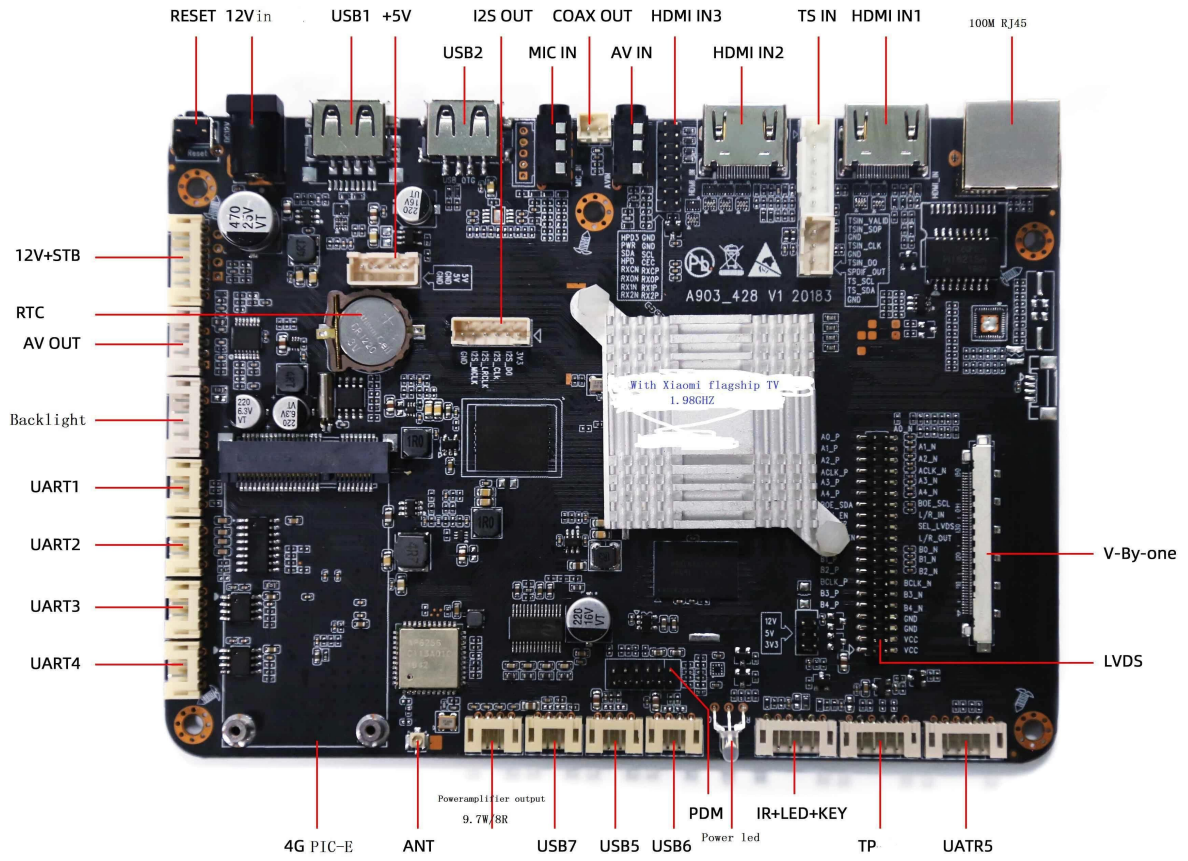


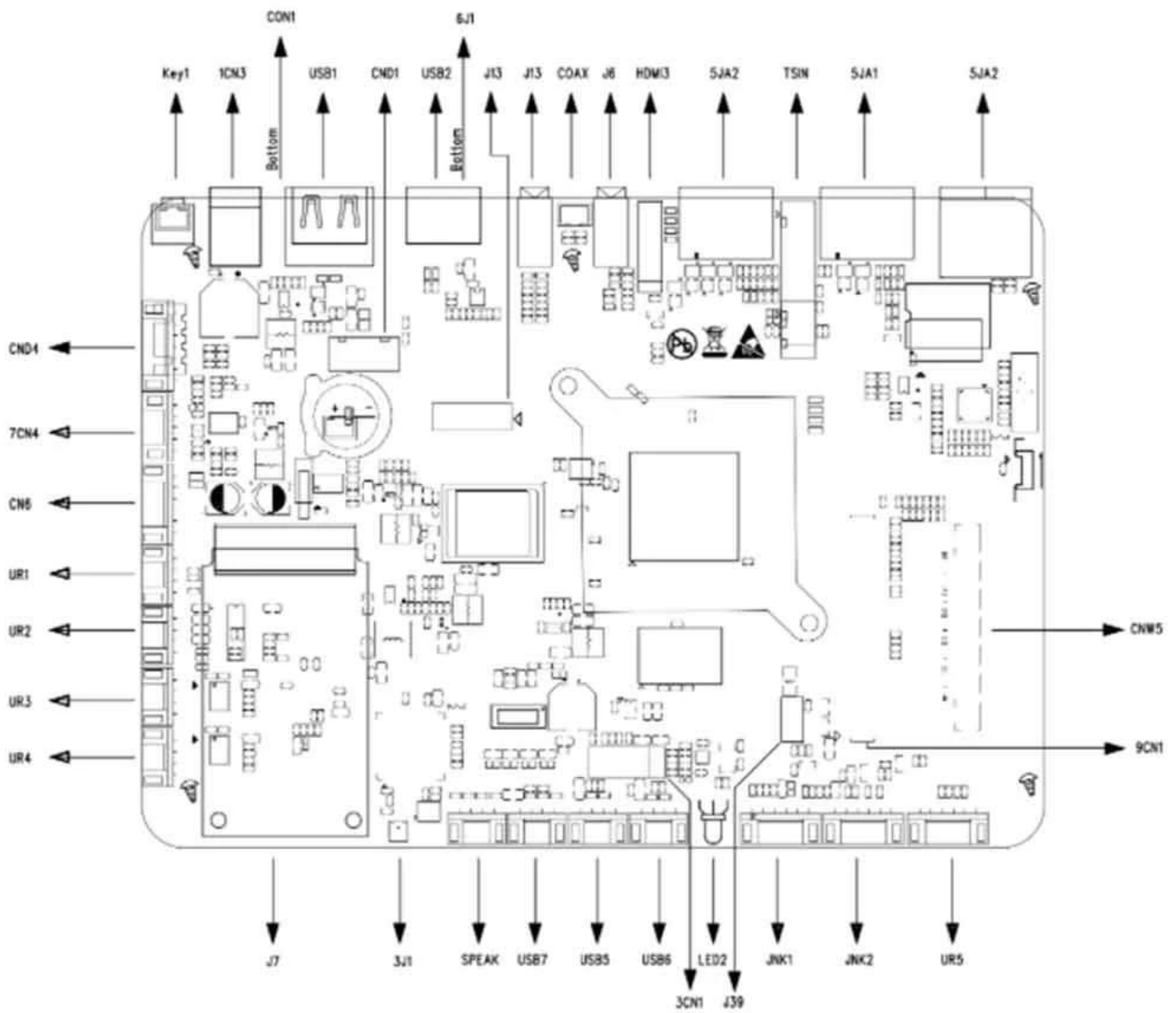
Amlogic T972 Specifications

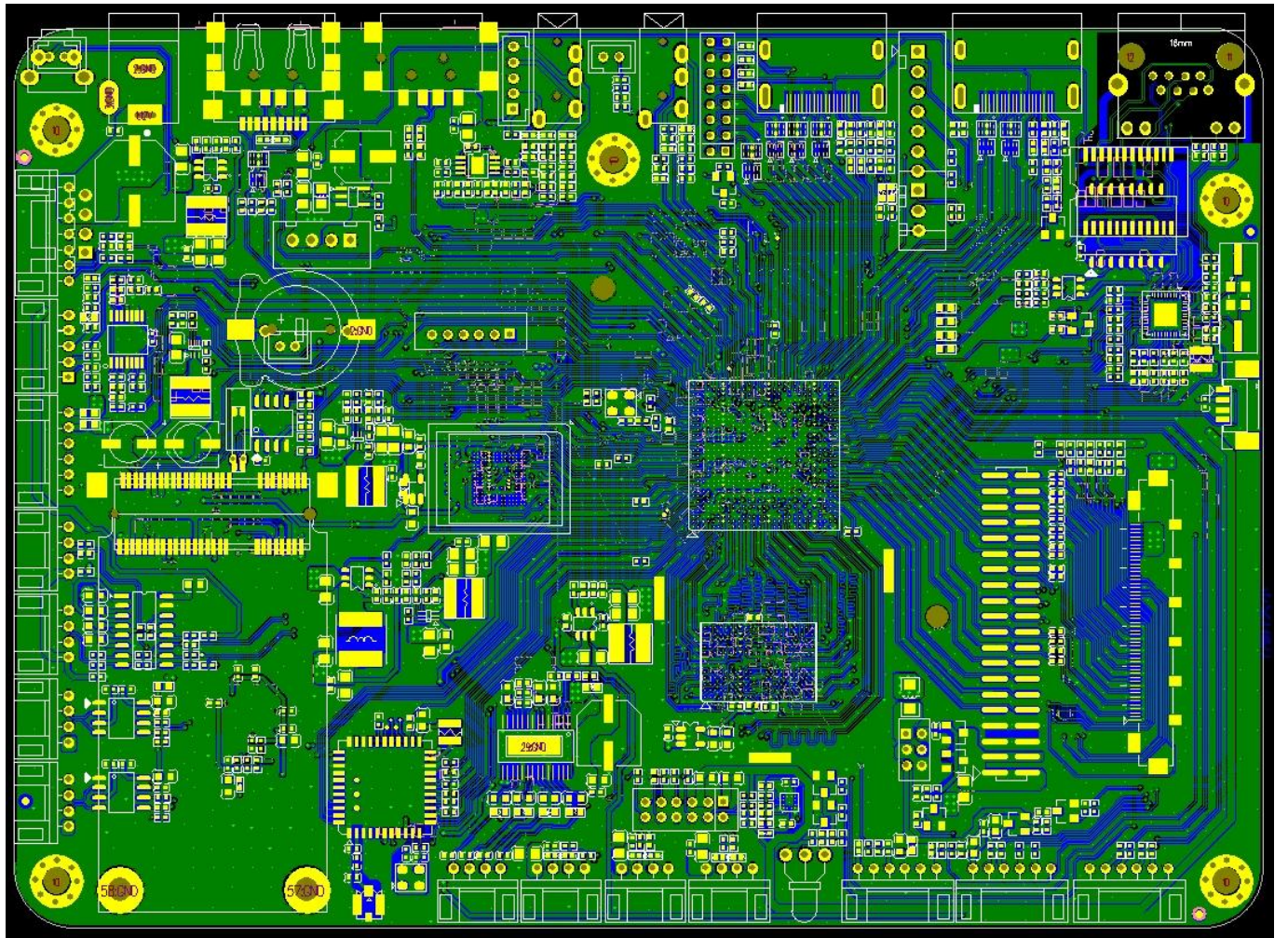
Processor	Amlogic T972
GPU	ARM Cortex A55 1.98GHZ
Chipset	Penta Core ARM Mail-450
RAM	DDR4 2GB/4GB
Storage	16GB eMMC (128GB SD/USB)
OS	Android 9.0
CODEC	<ul style="list-style-type: none"> -Amlogic Video Engine (AVE-10) 4Kx2K@75fps - VP9 2-10 8Kx4K@24fps / 4Kx2K@60fps -H.265 HEVC MP-10@L5.1 8Kx4K@24fps 4Kx2K@60fps -AVS2-P2 4Kx2K@60fps -H.264 AVC HP@L5.1 4Kx2K@30fps -H.264 MVC 1080P@60fps -MPEG-4 ASP@L5 1080P@60fps (ISO-14496) -WMV/VC-1 SP/MP/AP 1080P@60fps -AVS-P16(AVS) /AVS-P2 JiZhun 1080P@60fps -MPEG-2 MP/HL 1080P@60fps (ISO-13818) -MPEG-1 MP/HL 1080P@60fps (ISO-11172) -8/9/10 1080P@60fps - MJPEG / JPEG (ISO/IEC-10918) - JPEG - *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm, *.jpg
VP9	<ul style="list-style-type: none"> - VP9 2-10 8Kx4K@24fps 4Kx2K@60fps -H.265 HEVC MP-10@L5.1 8Kx4K@24fps 4Kx2K@60fps -AVS2-P2 4Kx2K@60fps -H.264 AVC HP@L5.1 4Kx2K@30fps -H.264 MVC 1080P@60fps -MPEG-4 ASP@L5 1080P@60fps (ISO-14496) -WMV/VC-1 SP/MP/AP 1080P@60fps -AVS-P16(AVS) /AVS-P2 JiZhun 1080P@60fps -MPEG-2 MP/HL 1080P@60fps (ISO-13818) -MPEG-1 MP/HL 1080P@60fps (ISO-11172) -8/9/10 1080P@60fps - MJPEG / JPEG (ISO/IEC-10918) - JPEG - *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm, *.jpg
Audio	<p>MP3, AAC, WMA, RM, FLAC, Ogg, Dolby DTS Audio 7.1/5.1</p> <p>VAD AEC</p> <p>TDM/PCM/I2S 3 TDM/PCM 384kHz x32 x 8ch</p> <p>96kHz x 32 x 32ch I2S 384kHz x 32 x 8ch</p> <p>PDM CIC, LPF HPF</p> <p>DMIC 8</p> <p>SPDIF/IEC958</p> <p>L/R 2 L/R 2</p> <p>I2S PCM</p> <p>Audio EQ/DRC</p>
Video	<p>HD MPEG1/2/4, H.265/HEVC, HD AVC/VC-1, RM/RMVB, Xvid/DivX3/4/5/6, RealVideo8/9/10</p>
Formats	<p>Avi/Rm/Rmvb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg</p> <p>MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC</p> <p>HD JPEG/BMP/GIF/PNG/TIFF</p>

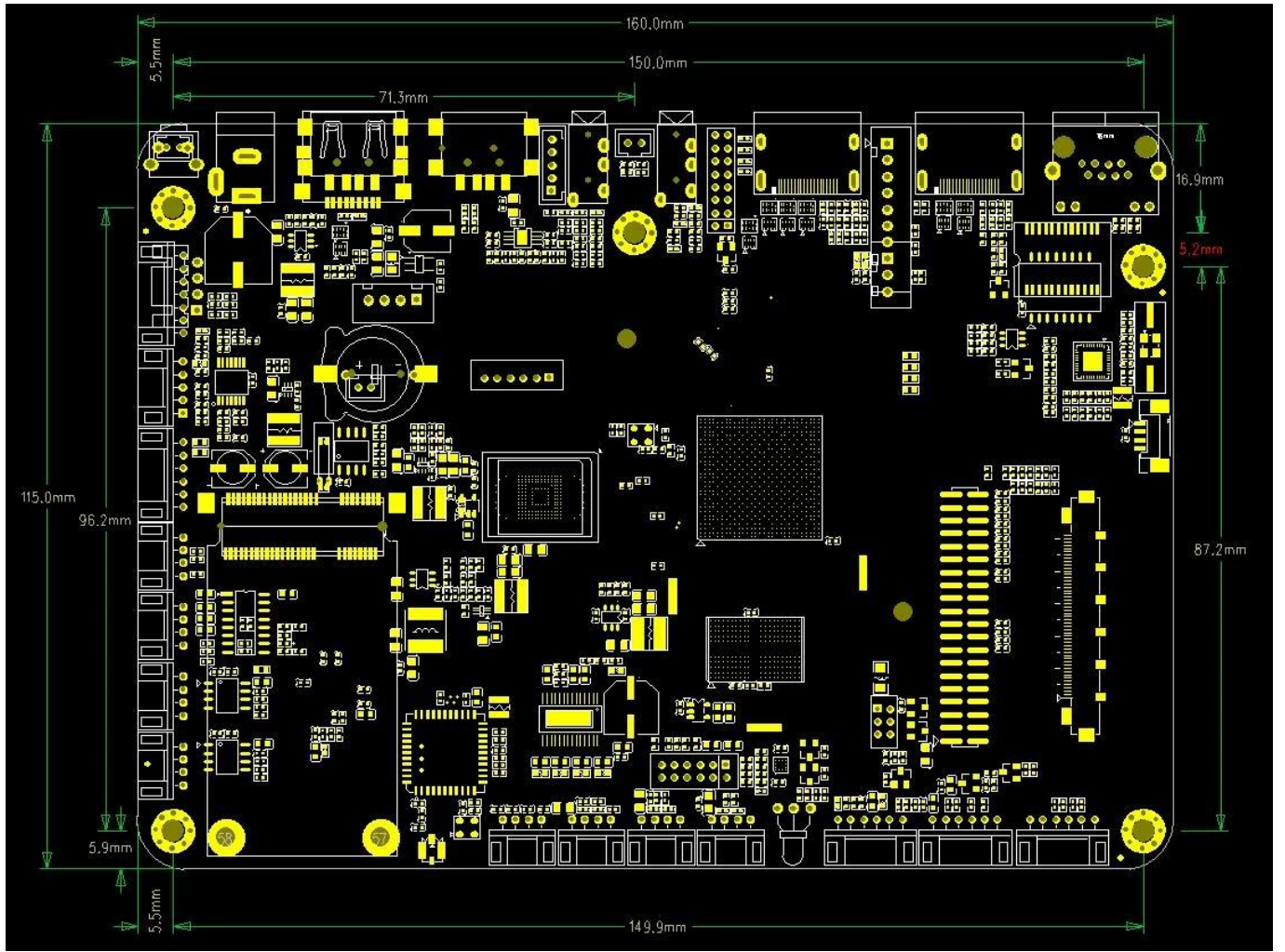
1*3.5 英寸. 摄像头	1 * LVDS 40pin 2.0 英寸. 摄像头 8bit / 10bit
摄像头	1 * V-By-one 摄像头
摄像头	HDMI*3
摄像头	4 英寸 2.5 英寸. 10W8Ω@2
摄像头	*1 10M/100M RJ45
	2.4G WIFIBT (WiFi 2.4G/5G)
	摄像头 PCIE(4)x1
摄像头 USB2.0	USB OTG * 1 (摄像头)
	摄像头 USB*4
摄像头	*2, 6 英寸 2.0 英寸
摄像头	*1, 7pin 2.0 英寸. LED (摄像头)
摄像头	摄像头*4
摄像头 TF	*1
摄像头	*1
摄像头	STB, 5VSB, 5V, 12V, 12 英寸 2.00 英寸
摄像头	摄像头 12V / 4pin 2.54 英寸. 12V / 2.5DC

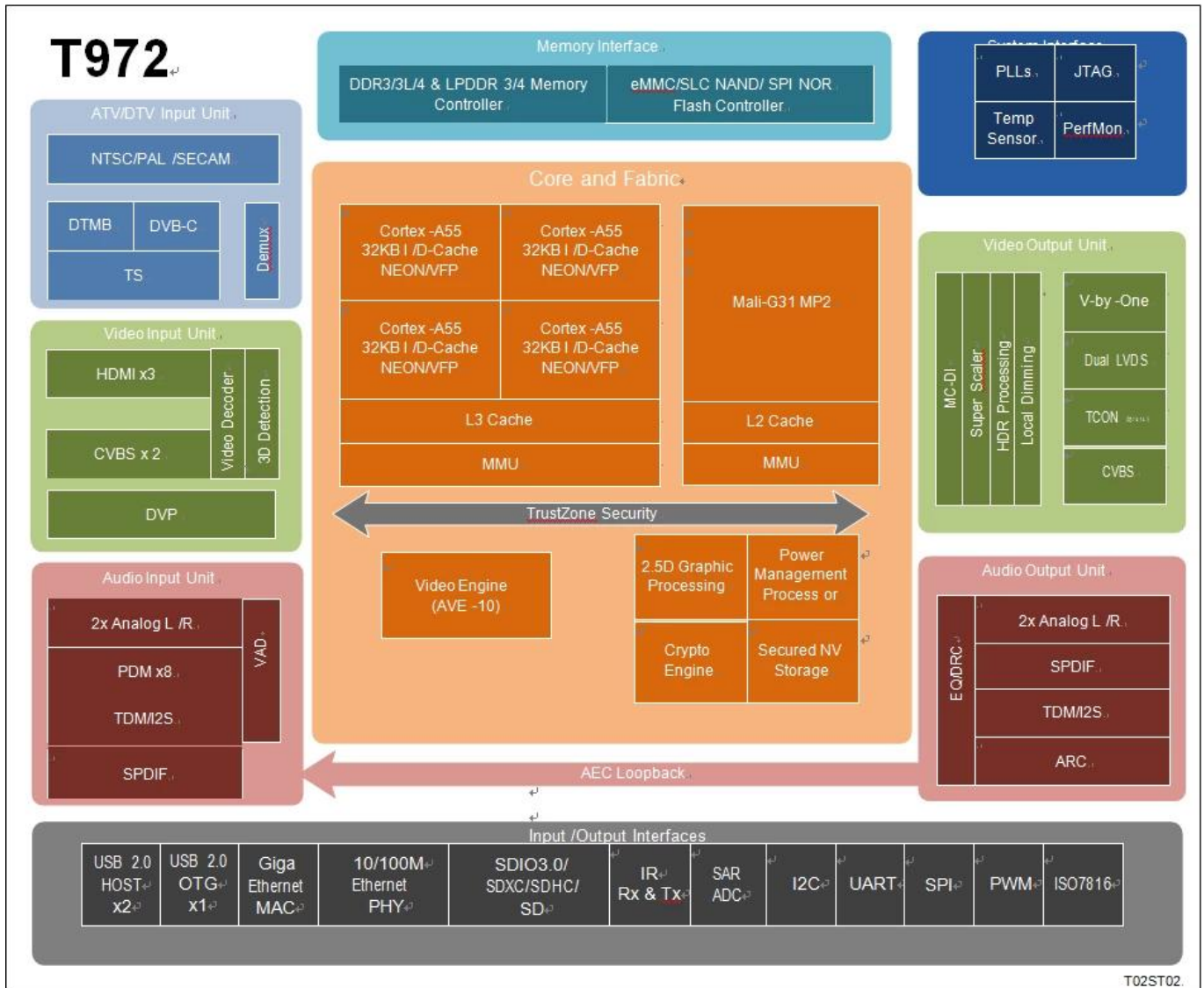
Amlogic T972 Quad Core 摄像头 摄像头 Amlogic T972 Quad Core 摄像头 摄像头 Amlogic T972 Quad Core 摄像头 摄像头 Android TV 摄像头 Android 摄像头 Youtube 摄像头 Netflix 摄像头 Android 摄像头 Amlogic T972 Quad Core 摄像头 Amlogic T972 Quad Core











T02ST02

Amlogic T972 支持 4K/8K 超高清视频，支持 HDR，支持 CPU/GPU 双核，支持 CODEC，支持 8K/4K 超高清视频，支持 CPU 双核，支持 CPU ARM Cortex-A55 四核 quad-core，支持 L3 缓存，支持 CPU Cortex-A55 的 NEON SIMD 指令集，支持 GPU ARM Mali-G31 MP2，支持 OpenGL ES 3.2, Vulkan 1.1 和 OpenCL 2.0，支持 2.5D 图形处理，支持 CPU 和 GPU 的 TrustZone Security 安全架构，支持 AEC Loopback 音频回环，支持 EQ/DRC 音频均衡，支持 2x Analog L/R，SPDIF，TDM/2S，ARC 音频输出，支持 USB 2.0 HOST x2，USB 2.0 OTG x1，Giga Ethernet MAC，10/100M Ethernet PHY，SDIO3.0/SDXC/SDHC/SD，IR Rx & Tx，SAR ADC，I2C，UART，SPI，PWM，ISO7816 接口。

Amlogic Video Engine (AVE-10)

支持 CPU Cortex-A55 的 CODEC，支持 AVE-10 的 Trusted Video Path (TVP) 安全架构，支持 DRM，支持 MVC, MPEG-1/2/4, VC-1/WMV, AVS, AVS2, RealVideo, MJPEG, H.264, H265-10, VP9-10 和 JPEG 视频编解码，支持 HDR10, HDR10+, HLG 和 Technicolor Prime HDR，支持 BT.2020/ BT.2100 色域，支持 4K2K 超高清视频。

Amlogic T972 3D graphics, 8K video, 120Hz refresh rate, HDR, P2P, 120Hz refresh rate, UHD, TCON, CEDS, CHPI, CMPI, iSP, HDMI 2.1, 3D graphics, CVBS, 2D graphics, HDMI, HDCP 1.4/2.2, HDR, 4K2K, Amlogic T972, ATV, NTSC, PAL, SECAM, DTV, DTMB, (TS) demux, DVB Common Descrambler 1.0, DES, Triple DES (TDES/3DES), AES, ISO7816, Amlogic T972, CPU, Voice Activity Detection (VAD), MIC, PDM, TDM, I2S, 8 channels, Amlogic T972 SoC, 10/100/1000M Ethernet MAC, RGMII, 10/100M Ethernet PHY, USB 2.0, SDIO 3.0, eMMC 5.0, SLC NAND, SDIO, /SD, UART, I2C, SPI PWM, IR Blaster, QoS, DRAM, SecureOS, Linux, GNU/GCC Android tool chain, AMLOGIC

ARM Cortex-A55, ARMv8.2, L3, TrustZone, QoS, CoreSight

3, ARM Mali-G31 MP2, 4, 2x 4 (EE), OpenGL ES 3.2, Vulkan 1.1, OpenCL 2.0

2.5D, bitblt, (ROP), 4:2:0, 4:2:2, 4:4:4, 8/16/24/32

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX

XXXXXXXXXX AES XXXXXXXXXXX 128/256 XXX XXXXXXXXXXXXXXXXXXX 16 XXX XXXXXXXXXXXXXXXXXXX ECB, CBC XXX
CTR

XXXXXXXXXX DES/3DES XXXXXXXXXXX ECB XXX CBC XXXXXXXXXXX 64 XXXXXXXXXXX DES XXXXXXX 192
XXXXXXXXXX 3DES

XX
XX (TRNG) XXXXXXX SHA-1/SHA-2

CODEC XXXXXXX/XXXXXXXX

Amlogic Video Engine (AVE-10) XXX 4Kx2K@75fps
XXXXXXXXXXXXXXXXXXXX/XXXXXXXX

XXXXXXXX VP9 2-10 XXXXXXX 8Kx4K@24fps XXXXX 4Kx2K@60fps

H.265 HEVC MP-10@L5.1 XXXXXXX 8Kx4K@24fps XXXXX 4Kx2K@60fps

XXXXXXXX AVS2-P2 XXXXXXX 4Kx2K@60fps

H.264 AVC HP@L5.1 XXXXXXX 4Kx2K@30fps

H.264 MVC XXXXXXX 1080P@60fps

MPEG-4 ASP@L5 XXXXXXX 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP XXXXXXX 1080P@60fps

AVS-P16(AVS) /AVS-P2 XXXXXXX JiZhun XXXXXXX 1080P@60fps

MPEG-2 MP/HL XXXXXXX 1080P@60fps (ISO-13818)

MPEG-1 MP/HL XXXXXXX 1080P@60fps (ISO-11172)

RealVideo 8/9/10 XXXXXXX 1080P@60fps

XX

MJPEG XXX JPEG XXX (ISO/IEC-10918)

XXXXXXXXXXXXXXXXXXXX JPEG XXXXXXXXXXXXXXX XXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm XXX *jpg

XXXXXXXXXXXX **Amlogic TruLife** XXXXXXXXXXXXXXX **9**

XXXXXXX HDR10/10, HLG, Technicolor Prime HDR

XX 3D

XXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX, XXXXXXX, XXXXXXXXXXXXXXXXXXX, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XX

XX

3:2/2:2 XXXXXXXXXXXXXXX XXX (VOF)

XX SuperScaler XXXXXXXXXXXXXXXXXXXXXXX, XXXXXXXXXXX, LTI, CTI,
XXXXXXXXXXXXXXXX, XXXXXXX

XX

3D LUT XXXXXXX 17x17x17 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 4913 XXX

XX

XXXXXXXXXXXXXXXXXXXXXXXXXXXX HSL XXX

XXXXXXXXXXXXXXXX/XXXXX/XX/XXXXXX

XXXXXXXXXXXXXXXXXXXX XXX

XXXXXXXXXXXXXXXX: XXXXXXXXXXXXXXX 2 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 2 XXX

XXXXXXXXXXXX HDR XXX

XX

XXXXXXXXXXXX **LCD**

XXXXXXXXXX V-By-One 8 XXXXXXXXXXXXXXXXXXX 1, 2, 4 XXXXXXX XXXXXXXXXXXXXXXXXXXXXXX 4Kx2K 60Hz

LVDS (1 / 2) / (2 / 3) HD/FHD 1920x1080Hz
mini-LVDS (1 / 2) / (2 / 3) HD/FHD 1920x1080Hz
CEDS/CHPI/CMPI/iSP 12 UHD
UHD TCON 4Kx2K 60Hz
3 LCD
Dithering LCD

3x HDMI 2.1 Dynamic HDR, ARC, HDCP 1.4 / 2.2, 4Kx2K@60
2x CVBS 480i/576i
CVBS (PAL/NTSC)
ITU 601/656 RGB565 8 bit, CCIR656, CCIR601, YUV422, YCbCr422

MP3, AAC, WMA, RM, FLAC, Ogg, Dolby DTS Audio
7.1/5.1
VAD AEC
TDM/PCM/I2S 3 TDM/PCM 384kHz x 32 x 8ch
96kHz x 32 x 32ch I2S 384kHz x 32 x 8ch
PDM CIC, LPF HPF DMIC
8
SPDIF/IEC958
L/R 2 L/R 2
I2S PCM
Audio EQ/DRC

NTSC, NTSC-J, PAL-BG, PAL-DK1, PAL-I, PAL-DK, PAL-M, PAL-N, SE- CAM-DK2, SECAM-DK3, SECAM-L ATV
BTSC, A2, EIA-J NICAM
V-chip
DTMB/DVB-C/ DTV
Build-in VIF demodulator IF

DTV
3x Transport stream (TS) demux
PWM, I2C SPI
ISO 7816

DRAM 32 4GB
JEDEC DDR3-2133 /DDR3L-2133 /DDR4-2666 /LPDDR3-2133 /LPDDR4-3200 SDRAM
SDSC/SDHC/SDXC SDIO 1 4
2.x/3.x/4.x DS/HS UHS-I SDR104
eMMC 1/4/8
5.0 HS400
SLC NAND

OTP 4K

IEEE 802.3 10/100/1000M

MAC RGMII

PHY 10/100M

WiFi/IEEE802.11 USB SDIO

Bluetooth USB UART

WIFI BT

I/O

USB I/O USB 2.0 USB USB OTG

UART I2C PWMs SPI

IR-blaster

SAR ADC 10 4

IO

DMA

24 MHz

ICE/JTAG

CPU, DRAM

PLL

I/O 1.8V 3.3V

Trustzone

OTP DRAM

RNG

Trusted Video Path (TVP)

SecureOS

IO

RoHS

Amlogic T972 Quad Core

RNG

Trusted Video Path (TVP)

SecureOS

IO

RoHS

FCBGA, 19 x 19, 0.65, RoHS

Amlogic T972 Quad Core

RNG

Trusted Video Path (TVP)

SecureOS

IO

1. Quad-Core Amlogic T972:

Amlogic T972 Quad Core

Amlogic T972 Quad Core

2. 4K

በቤትዎ ውስጥ የባለቤትነት ጥያቄዎችን ለማሟላት እና ለግልጽ አገልግሎት ለማግኘት ለሚያስፈልጉት አገልግሎቶች እንዲገለጹ ለእርዳታ ጥያቄዎን ይላኩን።

3. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን። Netflix, YouTube
ለእርዳታ ጥያቄዎን ይላኩን። Amazon Prime Video

4. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

5. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች ለ
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች HDMI, USB, በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

6. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

7. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች TV Streaming Box
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

8. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

9. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።

10. ለሚገለጹት አገልግሎቶች፡ በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች
በቤትዎ ውስጥ የሚገኙት ግልጽ አገልግሎቶች የሚገኙት ግልጽ አገልግሎቶች ለእርዳታ ጥያቄዎን ይላኩን።