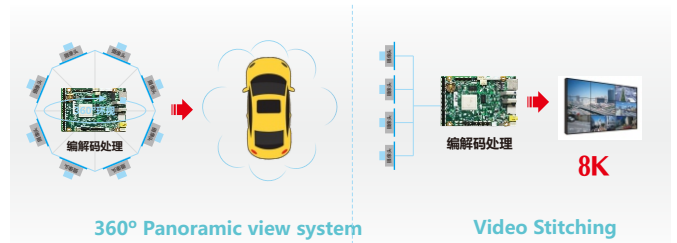
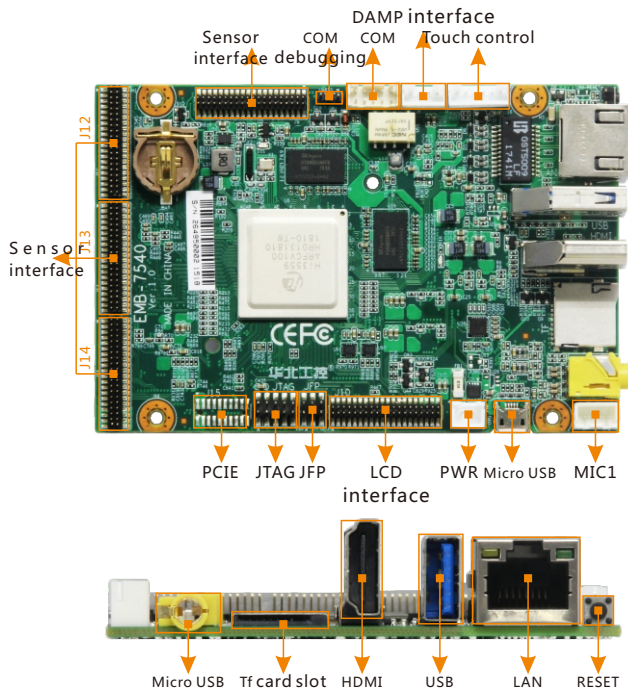


## EMB-7540

Based on HiSilicon Hi3559A Processor  
ARM Structure Embedded Motherboard



### Product Features :

- ◆ Based on HiSilicon Hi3559A 2\*A73+3\*A53+1\*M7+2\*G71+4\*DSP+2\*NNIE multi-core heterogeneous processor
- ◆ Onboard 4GB DDR4 memory, 16GB EMMC Flash, support 1x TF card slot
- ◆ With 8K@30fps + 1080P@30fps H.265 Main10 Codec
- ◆ Support 2chn/4chn/6chn mosaic
- ◆ HDR10/14bit ISP pipeline
- ◆ Maximum support 36M pixel sensor input
- ◆ Support PCI-E 2.0 + USB3.0 high speed storage



### Specification :

Model	EMB-7540
Platform	HiSilicon ARM platform
CPU	HiSilicon Hi3559A 2*A73+3*A53+1*M7+2*G71+4*DSP+2*NNIE multi-core heterogeneous processor
Memory	onboard 4GB DDR4 memory
Storage	Onboard 16GB iNAND Flash , 1x Tf card slot
GPU	Mali 2*G71@900MHz GPU
Input	CMOS Sensor: (Design the switch board according to the lens specification) 1x 8K30fps input ; 2x 4K60fps input ; or 4x 4K30fps input/6x 1080P30fps input
Display	1x HDMI, 1x MIPI/LVDS
Touch	----
Ethernet	1x LAN , 10/100/1000Mbps
USB	1x Mini USB2.0 ; 1x USB3.0
COM	1x COM232 ; 1x COM485 ; 1x debug
Audio	1x Mic ; 1x Line out ; 1x Mic (3.5mm 4 section headphone hole)
Other I/O	2x DI , 1x DO ; 2x Gyroscope; Support GPIO, I2C, SPI expansion
System Control	1x RST BUTTON , 1x PWR LED
RTC	Support
Watchdog	Support
Power Supply	Single power+12V DC
Temperature	Operating Temperature : -20°C ~ +65°C Storage Temperature : -40°C ~ +85°C
Humidity	5% ~ 95% RH, non-condensing
Size	120mmx 80mm
OS	Linux

### Dimension :

