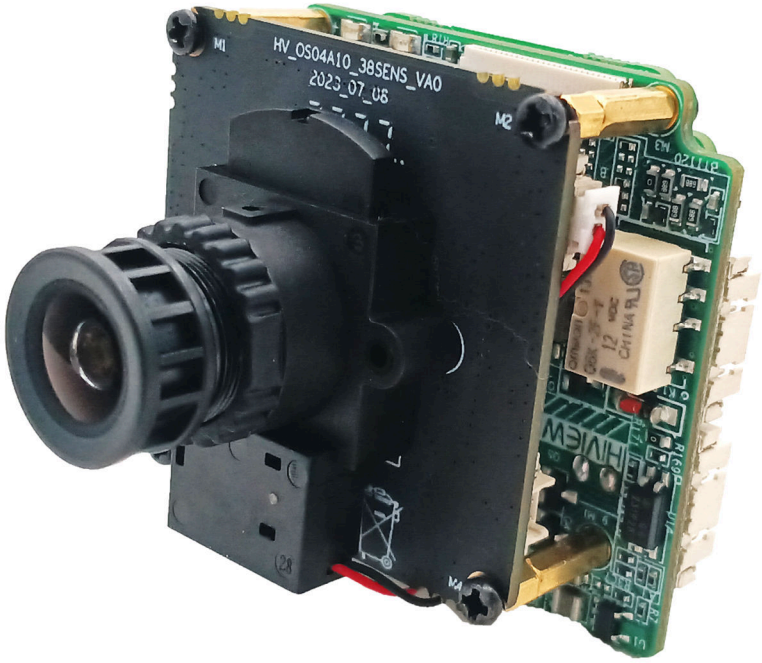
SHENZHEN HIVIEW SCIENCE AND TEHCNOLOGY CO., LTD



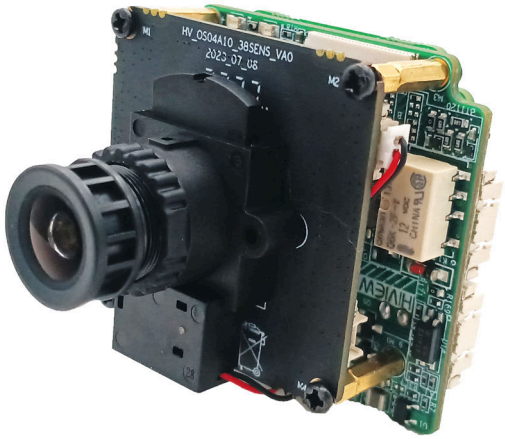
Intelligent HD Network Camera Module

Version: VA0

Date: 2024-02-22

Editor: Michael

1.Key Specifications：



Model	HV-19MD08	HV-16MD04
SOC	HI3519DV500	HI3516DV500
Processor Core	Dual-core ARM Cortex-A55@ 1000MHz，32KB I-Cache，32KB D-Cache 256KB L3 cache. Neon acceleration and integrated FPU	Dual-core ARM Cortex-A55@ 850MHz，32KB I-Cache，32KB D-Cache 256KB L3 cache. Neon acceleration and integrated FPU
Smart Video Analysis	Neural network acceleration engine with processing performance up to 2.5 TOPS. Support yolov5, yolov8 demo	Neural network acceleration engine with processing performance up to 2.0 TOPS. Support yolov5, yolov8 demo
Sensor	OMIVISION OS08A20 ，1/1.8” CMOS, 8M Pixels	OMIVISION OS04A10 ，1/1.8” CMOS, 4M Pixels
LENS	4.9mm Focal Length, 1/1.8” ,8M Pixels	
Max. Resolution	4K@30fps	4M@30fps
Video Compression	H.264/H.265	
Flash and RAM	NAND Flash 512MB; RAM DDR4 2GB	
ETH	RJ45,10/100Mbps	
Network protocols	DHCP, NTP, RTSP, TCP, UDP, ARP, DNS, SRT	
Network API	ONVIF，GB28181	
SD Card	TF card holder, support storage video, maximum support 2T capacity	
Software Firmware	Linux (Ubuntu), Openhisilicon (https://github.com/openhisilicon/HIVIEW)	
POE	Optional, not configured by default	
HDMI OUTPUT	Optional, not configured by default	
AHD OUTPUT	Optional, not configured by default	
Power	DC12V	
Peripheral Interface	Alarm In and Out, IR LED Control, CDS, Uart3, RS485, USB3.0, BT656 Digital video signal input and BT1120 Digital video signal output	

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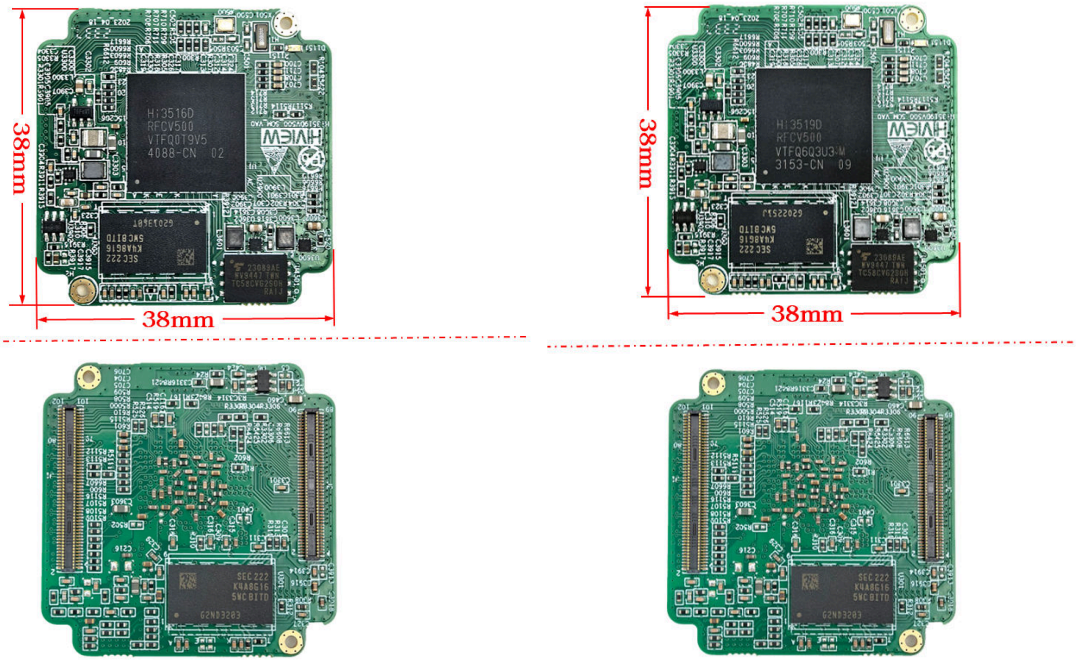
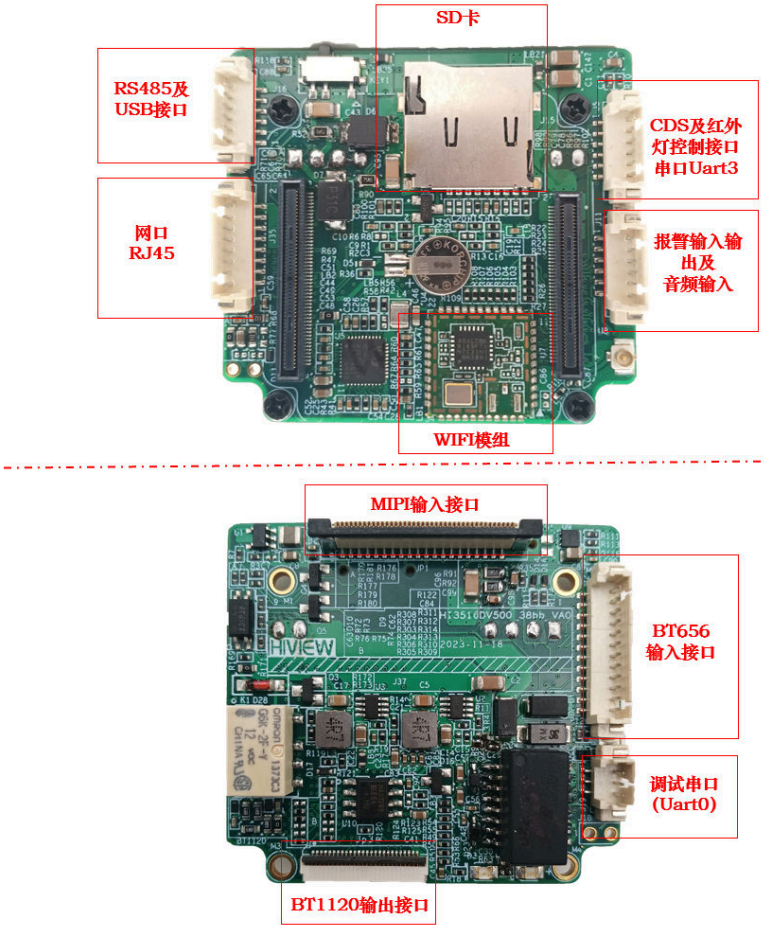
2. Core Board



3. Function base plate



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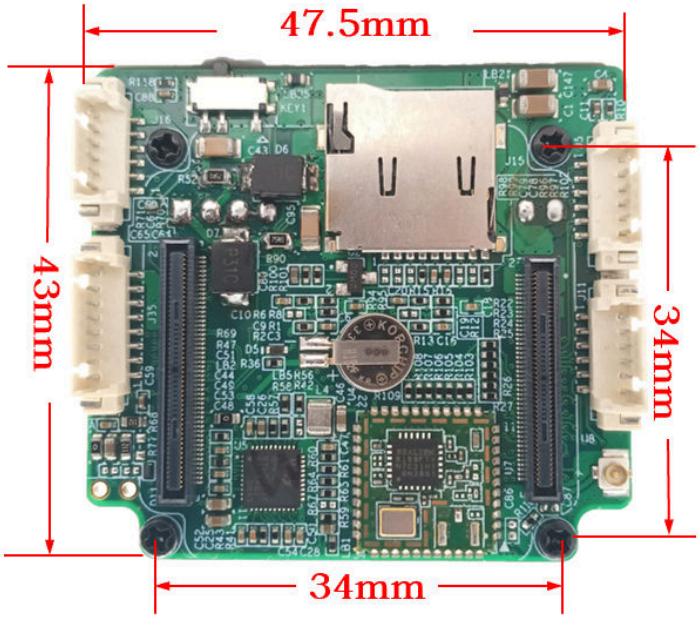
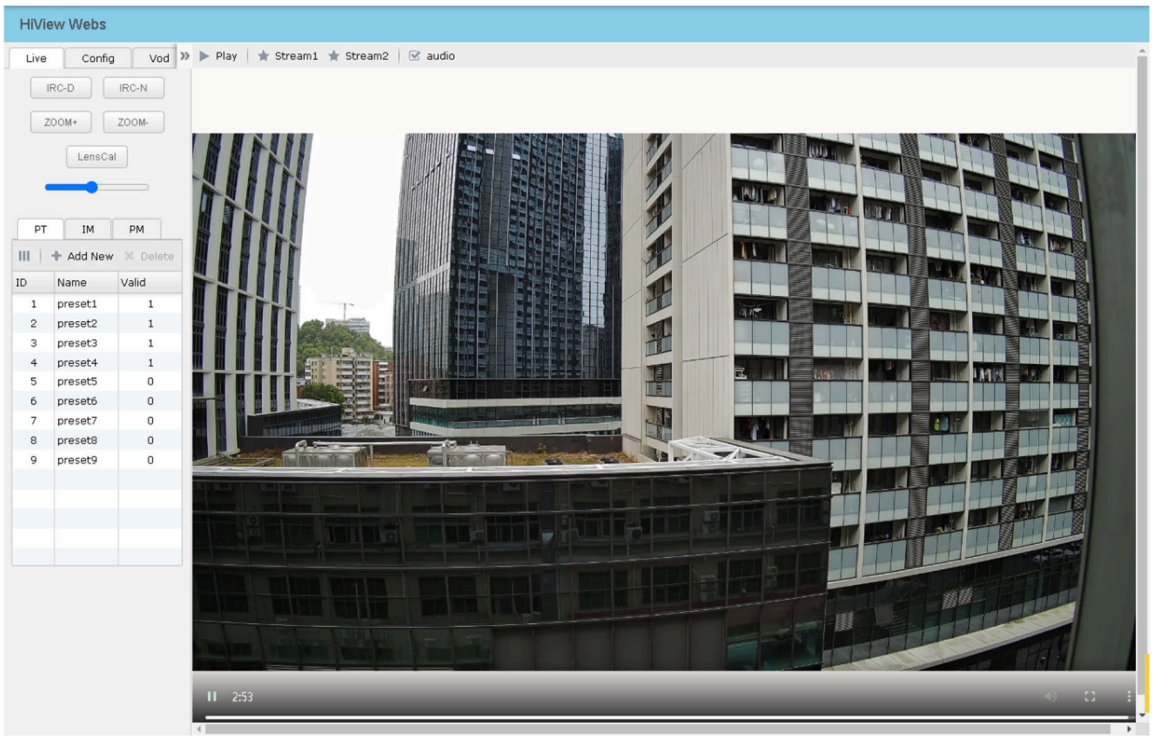


unit：mm

4. IE video preview

Default IP Adress：http://192.168.0.2

1). Video Preview Window



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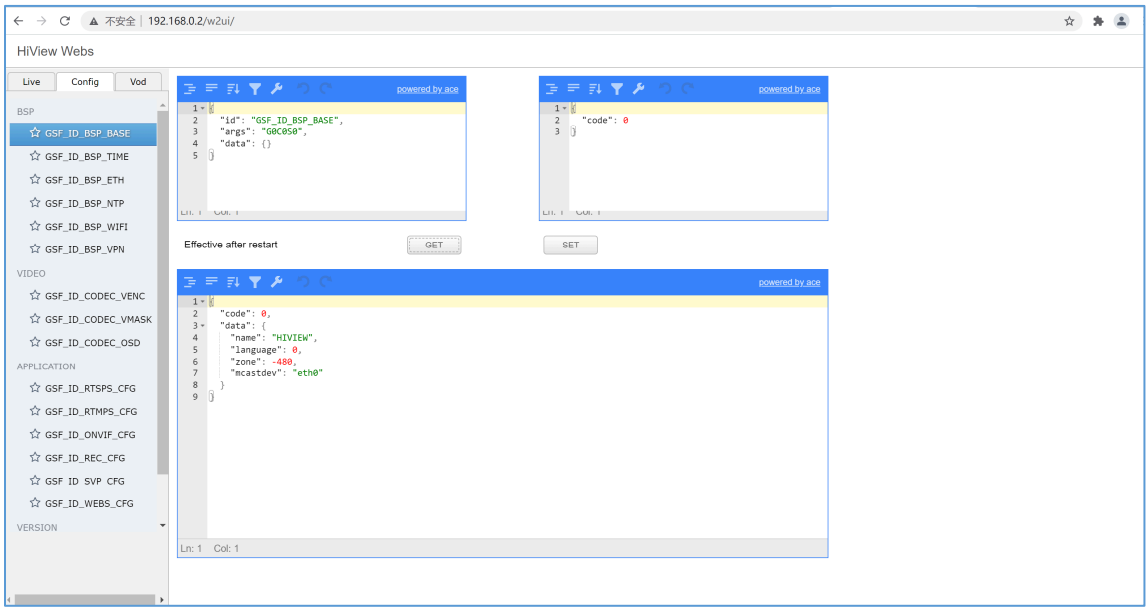
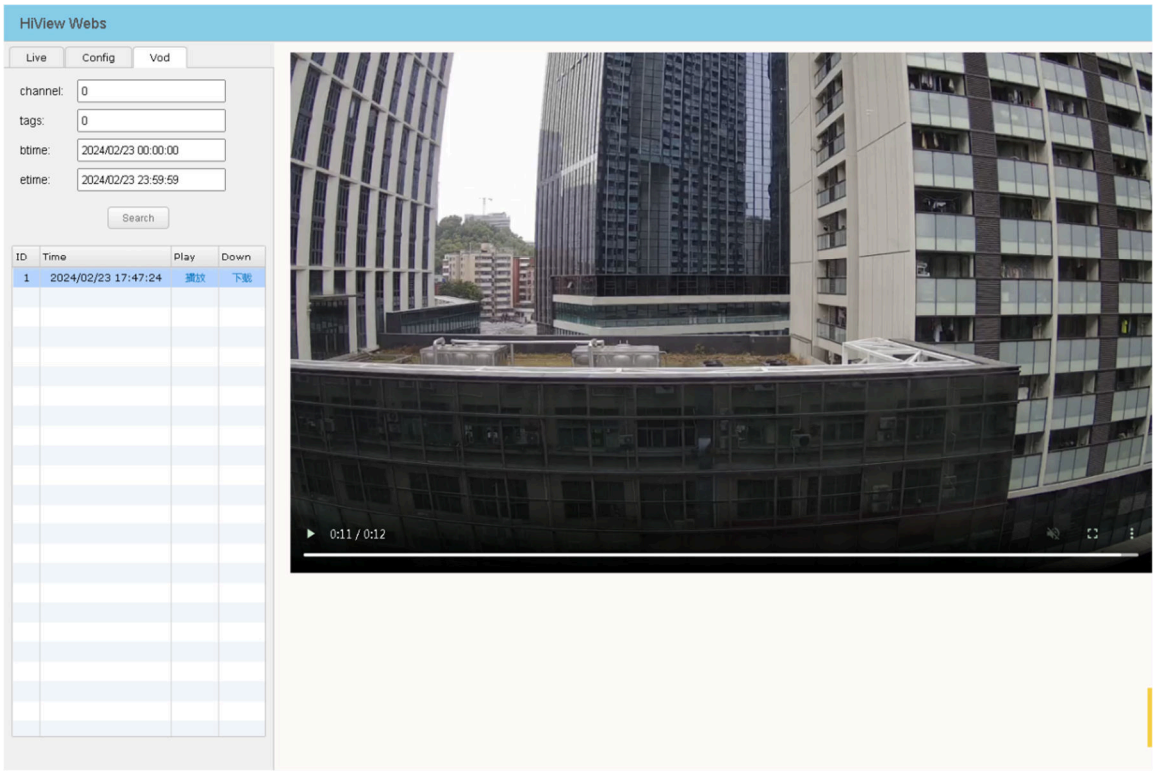
2). Parameter Configuration Window



Operation tips: first <get> parameter, set the parameter, and then press <set> to set the parameter.

3). SD card Video Playback Window



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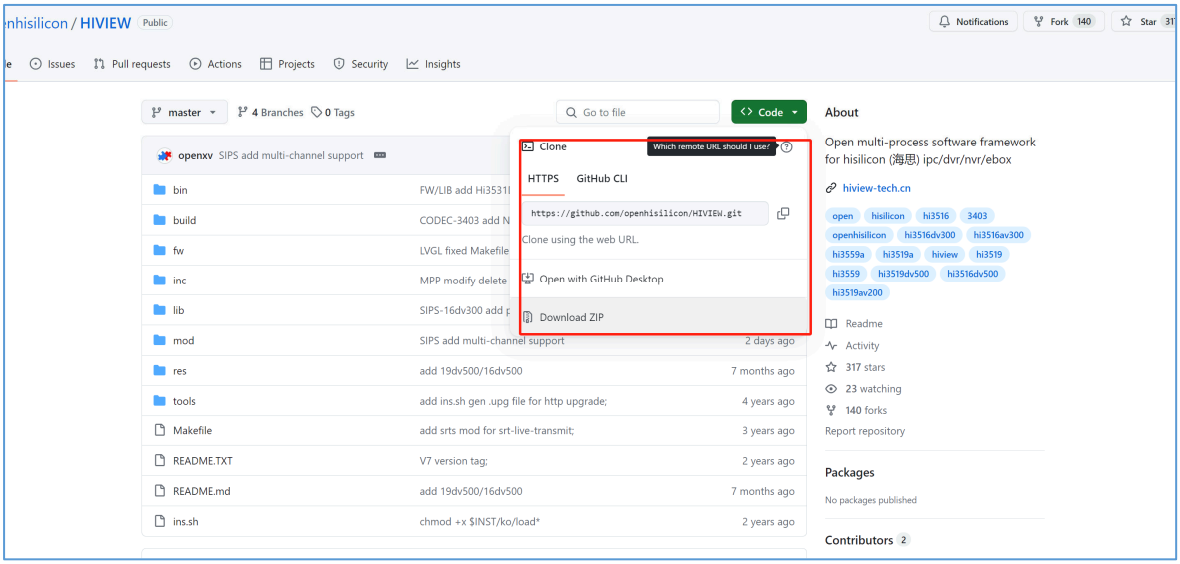
5. Source Code

Provides open source code with Hisilicon’s SDK package, documentation details http://hiview-tech.cn.

The latest code at Github（*https://github.com/openhisilicon/HIVIEW*）



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