

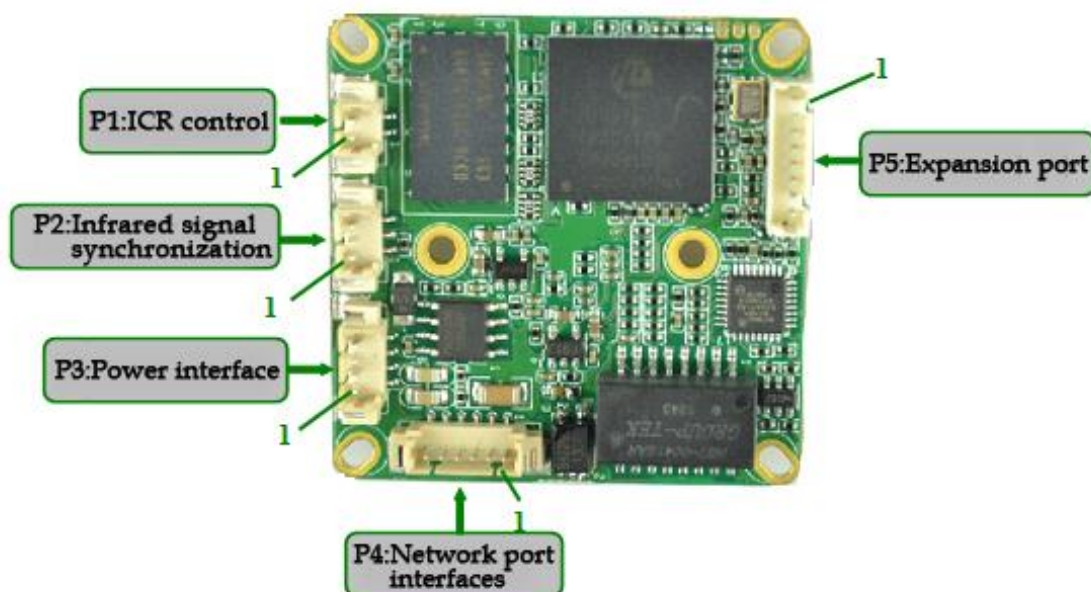
## Lightning Multifunction -AE Series CMOS Network Camera Module

Devices stability, environmental adaptability, security increasingly important, our company specially developed newly lightning protection '-AE' series HD module, adopt HISILICON latest Hi scheme, Latest three in one '-AE' single board module, standard 38mm\*38mm positioning, simple and convenience, high speed production, easy assembly into machines with various types of outer casing, support switching filters, sensor, audio, USB, encoding, transmission, intelligence in one. CMS unified clients are provided freely, to realise recording, preview as well as playback, support WAN transmission, we have NVR / HVR series for systems that demand high stability, MEYE platform for centralized monitoring and management system and open SDK, all of which ensure our customers develop their own products and systems with more convenience.

### I. model

IPG-50H10PL-AE, IPG-53H13PL-AE, IPG-53H20PL-AE

### II. interface specifications



### III. Specifications

Specifications	IPG-50H10PL-AE	IPG-53H13PL-AE	IPG-53H20PL-AE
System Structure	Embedded RTOS, dual-core 32bit DSP (Hi3518C), pure hard compression, watchdog		Embedded RTOS, dual-core 32bit DSP (Hi3516C), pure hard compression, watchdog
sensor	1/4" OV 09712 CMOS	1/3" AR0130	1/2.9" SONY IMX322

	sensor	Ultra-low-illumination CMOS sensor	Ultra-low-illumination CMOS sensor
Min illumination	Color 0.1Lux@F1.2; B/W 0.01 Lux@F1.2;	Color 0.01Lux@F1.2; B/W 0.001 Lux@F1.2;	
Video Processing	H.264, support dual-stream, AVI; 0.1M~6Mbps variable; 1~30f/s variable;		
Image output	Main stream:1280*720; Sub-stream:704*576 ;	Main stream:1280*960 1280*720; Sub-stream:704*576;	Main stream: 1920*1080; Sub-stream: 704*576;
Audio interface	1ch input, level 2Vp-p, impedance 1kΩ, support sound pick-up input; 1ch output, level 16Ω, 30mw, support earphones or amplifier;		
Audio Processing	G.711, support bidirectional talk, audio&video synchronization;		
Network interface	1*RJ45, 10/100M; support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP etc. ;		
photo resistance	A photo resistance interface, support photo resistance input signal and image, IR-CUT, infrared light linkage;		
USB interface	1*USB, support WIFI/3G wireless expansion		
Intelligent analysis	Standard intelligent video analysis functions		
Service functions	Support WEB, OSD, live video transmission, support motion detection and IO alarm center reminders as well as screen pop-up linkage; JPEG capture; unified client remote monitoring software, MYEYE; perfect SDK;		
ONVIF	Support		
Mobile monitoring	Support multiple mobile monitoring (iOS, Android)		
Power	DC12V power input interface		
dimensions	38*38 single board		
Structures	Support POE power supply (optional)		