



## AHB80N16T-GS



### Feature:

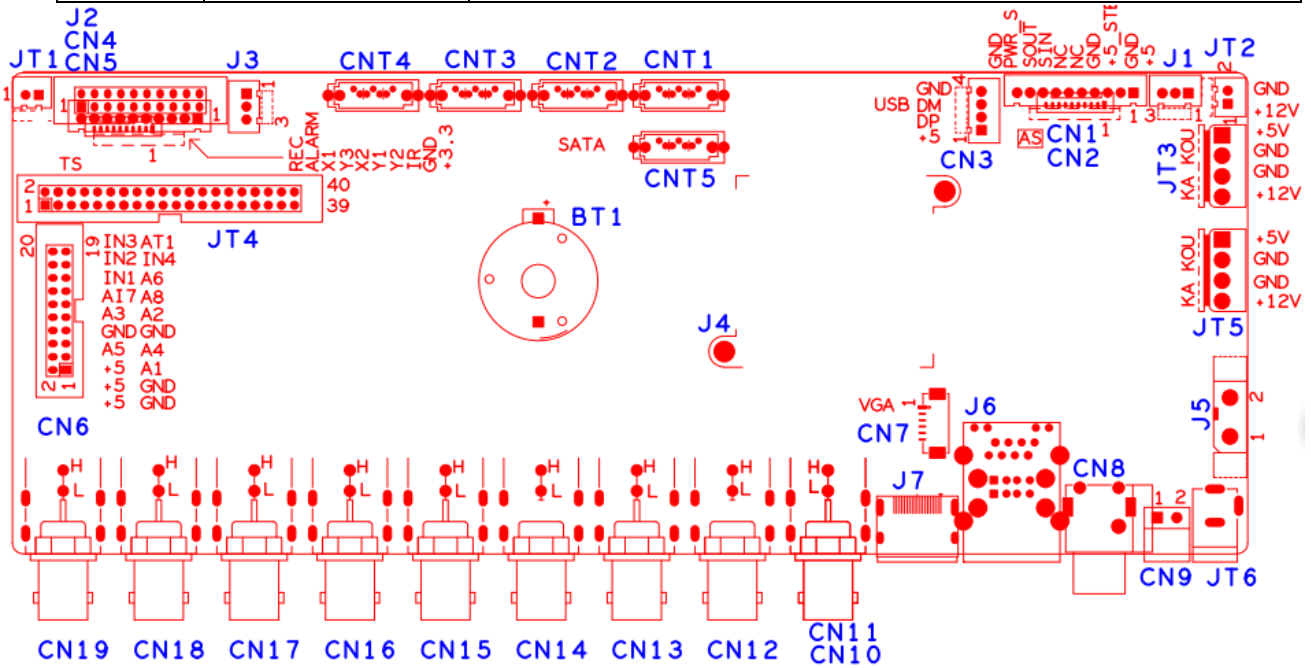
- Support H.265+ encoding, ultra-low bitrates, compatible with H.264 surroundings
- Support VGA, HDMI full HD output simultaneously
- Support ONVIF; access third party
- Support multiple cloud technology, network penetration, alarm information pushed to your phone and other functions
- Support web, CMS, center platform management software MYEYE, provide SDK development
- Support various mobile monitoring (iPhone, Android)
- Remote Access, With DNS (ARSP), easy to monitor remotely
- Support UTC, control signal & video stream transmit through one single coaxial
- Support XVI/AHD/TVI/CVI/CVBS/IP six signals
- Support intelligent analysis: Human shape detection, face detection, car shape detection

### Specification:

	Model	AHB80N16T-GS
System	Main processor	NT98336
Interface	Preview	1/4/8/9/16
Video	Codec	H.265+
	Monitor quality	HDMI(4K at most)
	Preview ability	16*4K @ 7.5fps(6 in 1)/16*5M@12.5fps(6 in 1)/ 16*4M@15fps (6 in 1) /16*3M@18fps (6 in 1) /16*1080P(6 in 1)
	Encode ability	16*4K @ 4fps(6 in 1)/16*5M@6fps(6 in 1)/ 16*4M@9fps (6 in 1) /16*3M@10fps (6 in 1) /16*1080P@16fps(6 in 1)
	Decode ability	4*4K@4fps(6 in 1)/4*5M@6fps (6 in 1)/ 4*4M@9fps (6 in 1) /4*3M@10fps (6 in 1) /4*1080P @ 16fps (6 in 1)
	Multi-mode input	Analog: 16*4K; 16*5M; hybrid: 16*4K (analog) +16*4K (network) network: 16*4K; 16*5M;
	Motion Detection	Each screen can be set to 192 (16 * 12) detection areas; multi-level sensitivity can be set (Limited local channel)
Audio	Audio compression	G.711A
	Intercom	support
Record & playback	Record mode	manual>alarm>motion detection>timing
	Local Playback	4K:4ch; 5M:16ch(analog input mode)
	Search mode	Search by time, calendar, event, channel
Storage & backup	Video storage	HDD, network
	Backup mode	Network, USB hard disk, USB burner, SATA burner
External Interface	Video input	16ch BNC
	Video output	1ch HDMI
	Loop Vout	N/A
	Audio I/O	2(Can be extended to 6ch)/1
	Alarm I/O	0 (Can be extended to 4ch) /0 (Can be extended to 1ch)
	Network interface	RJ45 10M/100M self-adaption



	PTZ control	1*RS485, Support kinds of PTZ protocols
	USB	2* USB 2.0 ports
	HDD	2*SATA ports (Max 14TB/per)
	Wireless	3G, WIFI (extend via USB)
General	Power supply	12V/4A
	Power Consumption	<15W (without HDD)
	Working environment	Temperature:0℃—+55℃, Humidity:10%—90%, Atm:86kpa—106kpa
	Dimension	239mm*93mm
	Weight	250g



Function	Interface Description	Function	Function	Function	Function	Function
J2	20PIN front panel socket	1、 GND	2、 FRONT_X0	3、 FRONT_X4	4、 FRONT_Y4	
		5、 FRONT_X3	6、 FRONT_Y0	7、 FRONT_Y2	8、 FRONT_X1	
		9、 FRONT_Y1	10、 ALARM	11、 REC	12、 FRONT_IR	
		13、 LINK	14、 +3.3	15、 FRONT_Y3	16、 FRONT_X2	
		17、	18、 GND	19、	20、	
CN4、 CN5	10PIN front panel socket	1、 +3.3	2、 GND	3、 FRONT_IR	4、 FRONT_Y2	
		5、 FRONT_Y1	6、 FRONT_X2	7、 FRONT_Y3	8、 FRONT_X1	
		9、 FRONT_ALARM	10、 FRONT_REC			
J3	Serial port					
CNT1--CNT5	SATA					
CN3	USB expansion seat					
CN1、 CN2	MCU front panel socket	1:+5V	2: GND	3:+5_STB	4:GND	
		5:NC	6:NC	7: UART4_SOUT	8: UART4_SINT	
		9: PWR_S	10:GND			
J1	Fan control interface (3 pin control speed)					



JT1、JT2	FAN power socket				
JT3、JT5	SATA power socket				
J5	Switch terminal				
JT6	12V input				
CN9	RS485				
CN8	Audio input interface				
J6	2USB+RJ45				
J7	HDMI				
CN7	VGA				
CN11	Audio output interface				
CN10	Audio output interface +CVBS				
CN12—CN19	BNC Video input				
CN6	Audio + alarm extension seat	1:GND	2:+5V	3:GND	4:+5V
		5:AUDIO1	6:+5V	7:AUDIO4	8:AUDIO5
		9:GND	10:GND	11:AUDIO2	12:AUDIO3
		13:AUDIO8	14:AUDIO7	15:AUDIO6	16:ALARM_IN1
		17:ALARM_IN4	18:ALARM_IN2	19:ALOUT1	20:ALARM_IN3
JT4	40PIN Combinatorial extension	1: GND	2: AUDIO16	3: AUDIO15	4: GND
		5: AUDIO11	6: AUDIO12	7: GND	8: AUDIO10
		9: AUDIO9	10: GND	11: AUDIO14	12: AUDIO13
		13:GND	14: ALOUT4	15: ALOUT2	16:GND
		17: ALOUT3	18: ALARM_IN16	19:GND	20: RS232_R
		21: RS232_T	22:GND	23: RS485_B	24: RS485_A
		25:GND	26: ALARM_IN10	27: ALARM_IN9	28:ALARM_IN11
		29: ALARM_IN8	30: ALARM_IN12	31:GND	32:GND
		33: ALARM_IN5	34: ALARM_IN13	35: ALARM_IN6	36:ALARM_IN14
		37: ALARM_IN7	38: ALARM_IN15	39:GND	40:GND
BT1	RTC Battery seat				
J4	Radiator fixing screw hole				