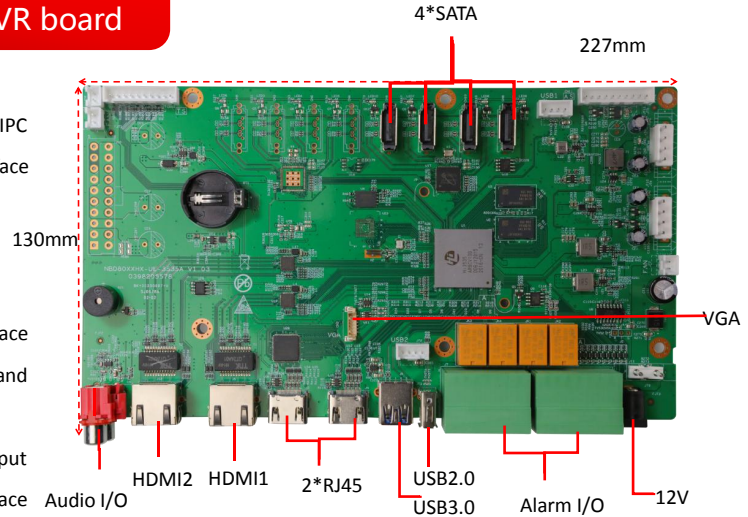


NBD8032H4-KEY
32ch 8.0MP 4sata Dual LAN&Dual HDMI NVR board
Features:

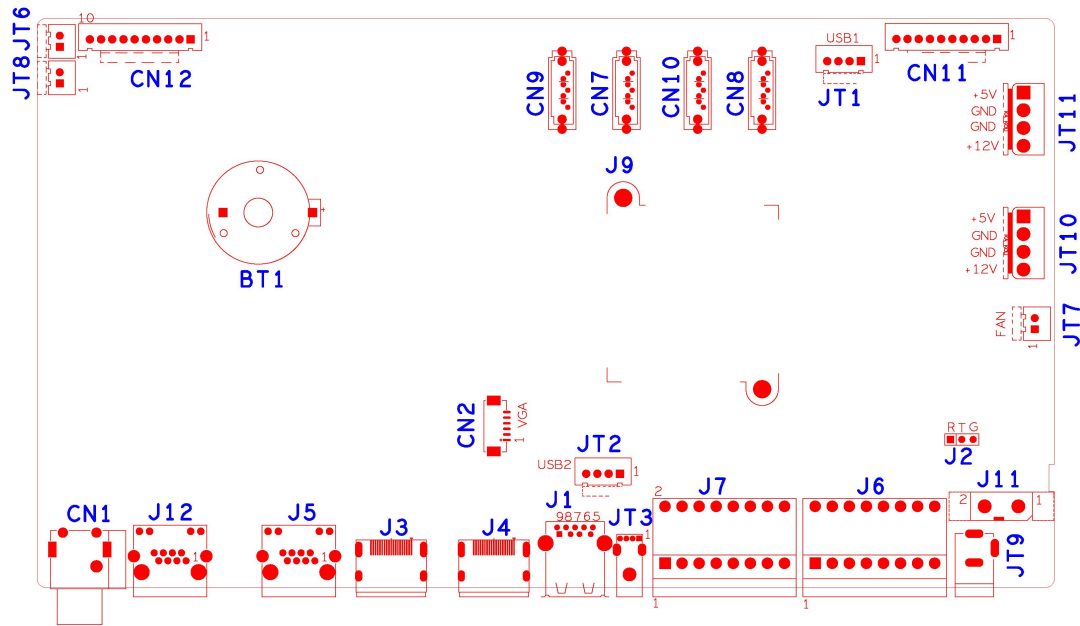
- Embedded design embedded deep learning algorithm, integrating IPC access, storage, control, and intelligent analysis, to achieve accurate face analysis, including face comparison, face retrieval, etc.;
- support importing 3000 face databases locally;
- Support the front-grab & back-comparison mode;
- Support 32 channels of real-time face comparison, attribute extraction, face preservation, and support for functions such as image search by image and video search by image;
- Support dual HDMI output, HDMI1 main screen 4K high-definition output real-time monitoring picture, HDMI2 secondary screen 1080P output face analysis interface (face comparison results, search video with pictures, etc.), expandable 1 VGA output, same source as HDMI1 Output;
- 4 *SATA interfaces (single maximum support 14T)
- support 2*RJ45 1000M, Support for different network segments access;
- Support web, CMS, center platform management software MYEYE, provide


Technical Parameters:
Model: NBD8032H4-KEY

	Model	NBD8032H4-KEY
System	Main processor	Hi3535A
	Operating System	Embedded Linux
	System resources	Simultaneous multi-channel real-time recording, playback, network operation, USB backup
Interface	Operator interface	16-bit true color graphic menu operation interface, support mouse operation
	Preview	1/2/4/6/8/9/16/25/32
Video	Video input (IP)	32*4K (Access bandwidth 190Mbps)
	Video compression	H.265A/H.265+(compatible H.265/H.264)
	Display quality	Max:4K
	Playback quality	4K/5M/4M/3M/1080P
	VR	Unsupport
Audio	Intelligent function	Support face recognition, human detection, face detection(depend on camera)
	Audio compression	G.711A
Record & playback	Intercom	support
	Recording mode	Manual>Alarm>Dynamic Detection>Timing
	Local playback(real-time+Un real-time)	4K (1+2) /5M (2+3) /4M(2+5)/3M (3+6) /1080P (5+9)
	Search mode	Search by Time/Calendar/Event/Channel/Face
	Record storage	HDD、 Network
	Backup mode	Network backup, USB hard disk, USB burner, SATA burner
External interface	Video output	HDMI1 4K output, HDMI2 supports face output display, Extension 1ch VGA HD output
	Audio I/O	1/1 (RCA)
	Alarm I/O	16/4
	Network interface	2*RJ45 10M/100M/1000M Adaptive Ethernet port, Support for different network segments access
	USB interface	1*USB2.0 ports. 1*USB3.0 ports
	HDD	4* SATA(Up to 14TB for each disk)

	ESATA	No
	Serial interface	1*RS485, 1*RS232
Other	ONVIF	Support
	Power supply	12V/6A
	Power Consumption	<10W(Without HDD)
	Work environment	Temperature:0℃-+55℃ , Humidity:10%—90%RH , Atm:86kpa—106kp
	Dimension	227mm*130mm
	Weight	197g

Technical Parameters:



Sign	Function	Interface Description			
JT9	Battery holder				
J11	Switch terminal				
J2	Serial port	R:UART_RX	T:UART_TX	G:GND	
J6	Alarm input extension socket	1:ALARM_IN1	2:ALARM_IN9	3:ALARM_IN2	4:ALARM_IN10
		5:ALARM_IN3	6:ALARM_IN11	7:ALARM_IN4	8:ALARM_IN12
		9:GND	10:GND	11:ALARM_IN5	12:ALARM_IN13
		13:ALARM_IN6	14:ALARM_IN14	15:ALARM_IN7	16:ALARM_IN15
J7	Alarm input and output, RS232, RS485 expansion socket	1:ALARM_IN8	2:ALARM_IN16	3:GND	4:GND
		5:ALARMOUT1_C	6:ALARMOUT3_C	7:ALARMOUT1_NO	8:ALARMOUT3_NO
		9:ALARMOUT2_C	10:ALARMOUT4_C	11:ALARMOUT2_NO	12:ALARMOUT4_NO
		13:RS232_R	14:RS485_A	15:RS232_T	16:RS485_B
JT3	USB2.0				
J1	USB3.0				
JT2	USB Extension	1:5V	2:USB_DM	3:USB_DP	4:GND

	interface(Cannot be shared with JT3)				
JT1	USB Extension interface	1:5V	2:USB_DM	3:USB_DP	4:GND
J4	HDMI2				
J3	HDMI1				
J5	RJ45				
J12	RJ45				
CN1	Audio input and output interface	On: Audio input	Under: Audio output		
JT6	Fan power holder	1: 12V	2:GND		
JT7	Fan power holder	1: 12V	2:GND		
JT8	Fan power holder	1: 12V	2:GND		
CN1 2	Expansion socket without MCU front panel (1.25*10P)	1:+3.3V	2:GND	3:IR	4:COL2
		5: COL1	6: ROW2	7: COL3	8: ROW1
		9: ALARM	10: REC		
CN8	SATA*1				
CN1 0	SATA*2				
CN7	SATA*3				
CN9	SATA*4				
JT1	USB Extension interface				
JT11	SATA power interface	1:5V	2:GND	3:GND	4:12V
JT10	SATA power interface	1:5V	2:GND	3:GND	4:12V
J9	heat sink				
CN2	VGA extension	1:GND	2:VGA_RED	3:VGA_GREEN	4:VGA_BLUE
		5:VGA_HS	6:VGA_VS		
BT1	Lithium battery holder				