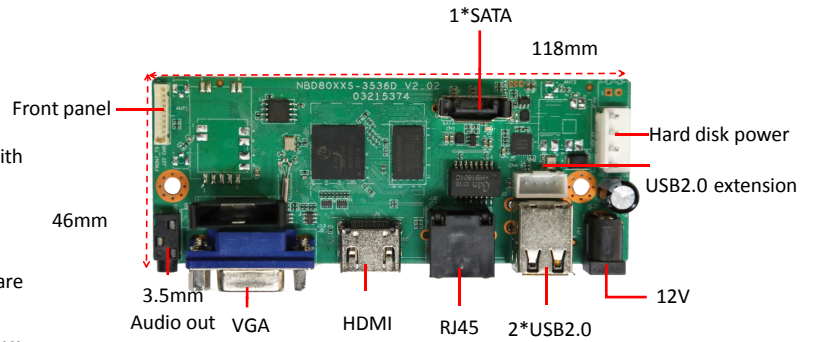


NBD8016S-ULA-V2

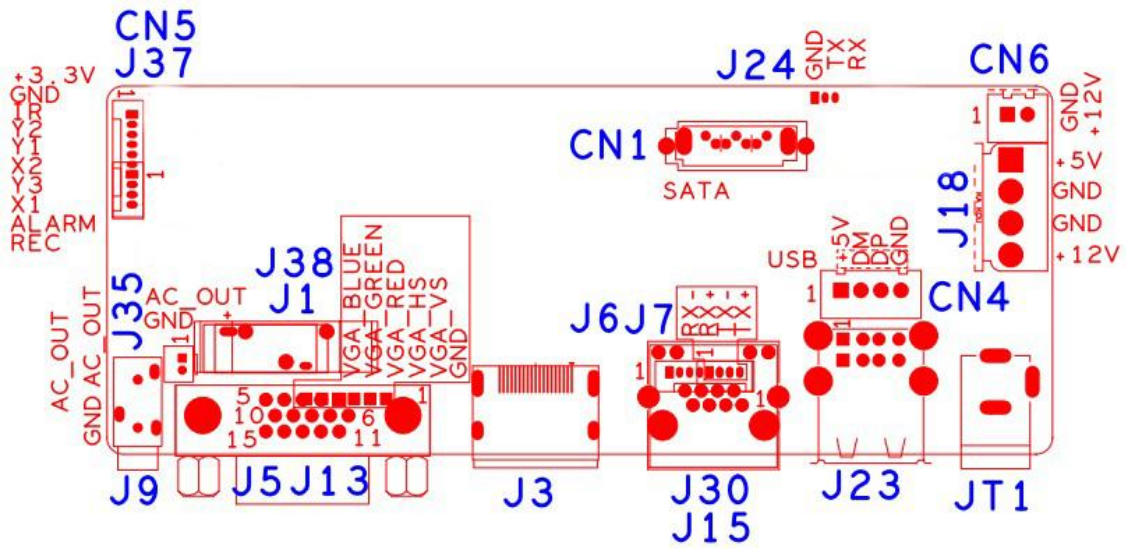
 16ch4K H.265 NVR Board

Feature:

- Support access of multiple XM smart front-end devices with human detection and face detection function.
- Support HDMI 2K, VGA 1080P HD output;
- Support ONVIF;access third party;
- Support web, CMS, center platform management software MYEYE, provide SDK development;
- Support multiple cloud technology, network penetration, alarm information pushed to your phone and other functions;
- Support multiple network services (support DHCP, FTP, DNS, DDNS, NTP, UPNP, EMAIL, IP searches, Alarm Center, etc.);
- Support GB28181 protocol access to third-party platforms.

Parameters:
Model: NBD8016S-ULA-V2


	Model	NBD8016S-ULA-V2
System	Main processor	Hi3536DV100
	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
Video	Video input (IP)	16*4K (Access bandwidth 72Mbps)
	Video compression	H.265A/H.265+(compatible H.265/H.264)
	Display quality	Max:2560*1440
	Playback quality	4K/5M/4M/3M/1080P
	Decode(real-time+Un real-time)	4K (1) /5M (1+1) /4M(2+1)/3M (2+2) /1080P (4+2)
	VR	Unsupport
	human shape / Face	Support(depend on camera)
Audio	Audio compression	G.711A
	Intercom	unsupport
Record & playback	Recording mode	Manual>Alarm>Dynamic Detection>Timing
	Local payback(real-time+Un real-time)	4K (1) /5M (1+1) /4M(2+1)/3M (2+2) /1080P (4+2)
	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	1ch VGA, 1ch HDMI HD output
	Audio I/O	0/1 (3.5MM audio output)
	Alarm I/O	0/0
	Network interface	1*RJ45 10M/100M Adaptive Ethernet port
	USB interface	2*USB2.0 ports(one USB extension interface is reserved)
	HDD	1 SATA(Up to 14TB for each disk)
	ESATA	No
	Serial interface	No
Other	ONVIF	Support
	Power supply	12V/2A
	Power Consumption	<10W(Without HDD)
	Work environment	Temperature:0℃ -55℃ , Humidity:10% -90%RH , Atm:86kpa -106kpa
	Dimension	118mm*46mm
	Weight	A total of about 44g



sign	Function	Interface Description			
CN1	SATA				
J24	Debug UART	1:RXD	2:TXD	3:GND	
J1	Battery holder				
CN5	10PIN front panel interface 10PIN front panel interface	1:+3.3	2:GND	3:IR	4:COL2
		5:COL1	6:ROW2	7:COL3	8:ROW1
		9:ALARM	10:REC		
J18	Hard disk power socket	1:+5	2:GND	3:GND	4:+12
JT1	12V input				
J23	2*USB				
CN4	USB Extension interface				
J30	RJ45				
J3	HDMI				
J5	VGA				
J9	3.5mm Audio output interface				
CN6	FAN	1:+12	2:GND		