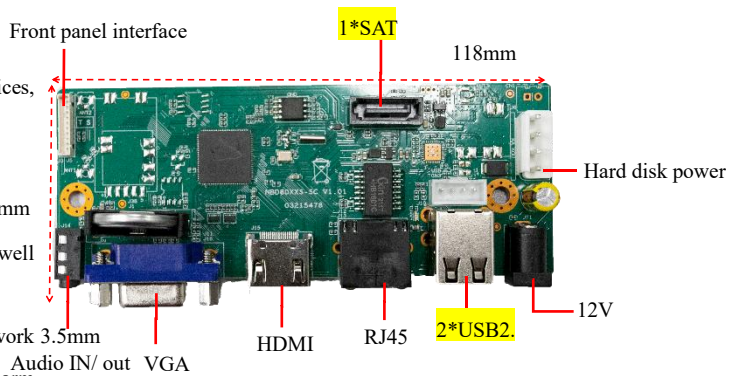


NBD80S09S-KLC
12MP H.265 Network-based NVR Mainboard

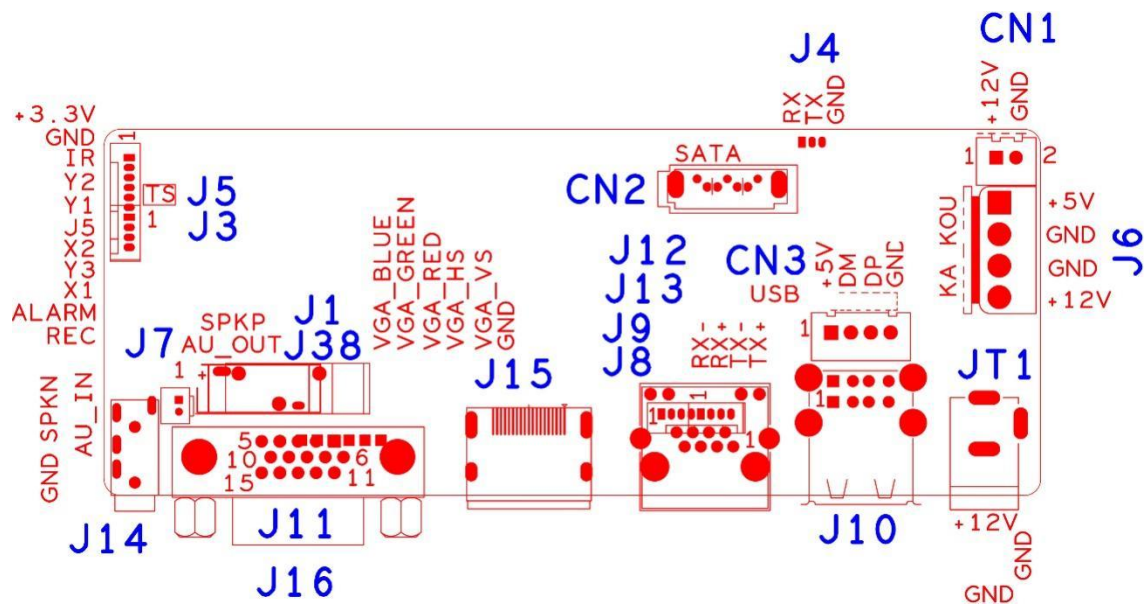
I. Functional Characteristics:

- Supports integration with various Xionmai Intelligent Front-end Devices, including human pose detection and face detection;
- Supports HDMI 4K and VGA 1080P high-definition output;
- Supports the ONVIF protocol and can integrate with third-party devices; 46mm
- Provides web, CMS, and central platform management software MYEYE, as well as SDK development services;
- Supports multiple cloud technologies to enable features such as network penetration, front-end-back-end integration, and push notification of alarm information to mobile devices; Au



II. Technical	III. Order	Model:
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	model	NBD80S09S-KLC
system	operating	Embedded Linux Operating System
	system resource	Additionally supports multi-channel real-time recording, multi-channel real-time playback, multi-user
interface	operation	A 16-bit true-color graphical menu interface that supports mouse operations.
	Display screen	1/2/4/6/8/9 /10 display screens
video frequency	Video Access	10CH 12MP
	picture	H.265AI/H.265+ (Compatible with H.265/H.264)
	Quality	Max: 12MP
	Replay Quality	12MP/4K/5M/4M/3M/1080P
	Decoding	12MP (1) /4K (1) /5M (1+1) /4M(2+1)/3M (2+2) /1080P (4+1)
	VR function	nonsupport
	Human-shaped	Supports (depends on Xiongmai front-end camera)
audio frequency	Audio	G.711A
	Two-way	support
Video recording and playback	Recording	Manual> Alarm> Dynamic Detection> Timed
	Local Playback	4K (1) /5M (1+1) /4M(2+1)/3M (2+2) /1080P (4+1)
	Video Record	Time-point search, calendar search, event search, channel search, and face search
	Record video	Internal hard drive, network, and cloud storage
	Backup Method	Network backup, USB external hard drive
Interface	Video Output	1x HDMI high-definition output, 1x VGA output
	audio frequency	1/1 (3.5 mm interface)
	report to the	0/0
	network	1 RJ45 10M/100M adaptive Ethernet port
	USB port	2 USB 2.0 ports
	Hard drive	1 SATA interface (each supports up to 14 TB)
	ESATA	not have
	serial interface	not have
other	ONVIF	support
	source	12V/2A
	power	<10W (excluding hard drive)
	work	Temperature: 0° C - +55° C; Humidity: 10% - 90% RH; Atmospheric pressure: 86 kPa - 106 kPa
	size	118mm*46mm
	weight	Approximately 47g



code name	functional description	Interface Definition			
J1	CR2032 Battery				
CN2	SATA Interface				
J3/J5	10-pin front panel interface (1.25 × 10P)	1:+3.3	2:GND	3:IR	4:COL2
		5:COL1	6:ROW2	7:COL3	8:ROW1
		9:ALARM	10:REC		
J4	RS232				
CN1	Fan Mount	1:+12	2:GND		
J6	SATA Power Expansion Slot	1:+5	2:GND	3:GND	4:+12
JT1	12V input interface				
J10	Dual USB combo port				
CN3	USB Expansion Adapter	1:+5	2:USB_DM	3:USB_DP	4:GND
J13	RJ45 Network Port				
J8	POE Extension Station				
J15	HDMI Interface				

J16	VGA Interface				
J11	VGA Expansion Interface				
J14	3.5 mm audio input/output interface				
J7	Speaker extension adapter				