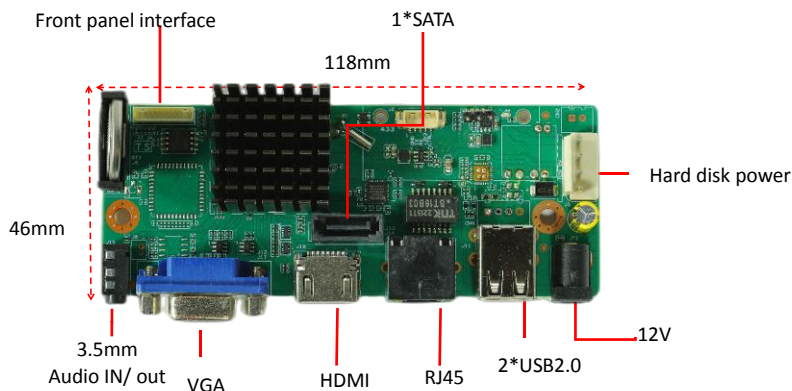


NBD88X16S-KL-V3

16ch 4K H.265 NVR Board

Feature:

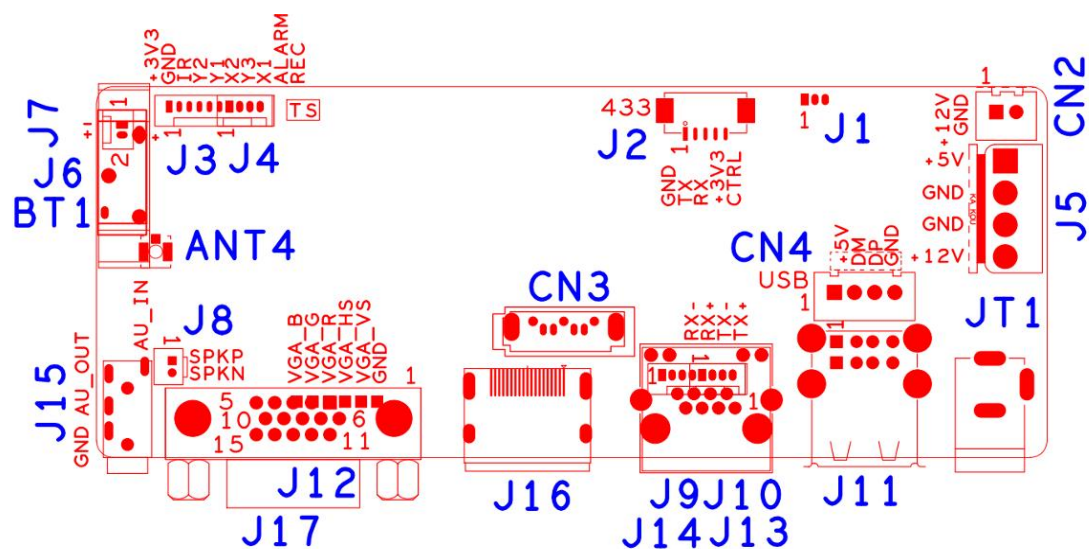
- Support access of multiple XM smart front-end devices with human detection and face detection function.
- Support HDMI 4K,VGA 1080P HD output;
- Support ONVIF;access third party;
- Support web, CMS, center platform management software MYEYE, provide SDK development;
- Support multiple cloud technology, 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: NBD88X16S-KL-V3

	Model	NBD88X16S-KL-V3
System	Main processor	XM8536E
	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 60Mbps)
	Video compression	H.265A/H.265+(compatible H.265/H.264)
	Display quality	Max:4K
	Playback quality	4K/5M/4M/3M/1080P
	Decode	1ch4k/2ch5M/2ch4M/3ch3M/5ch1080P
	VR	support
	human shape / Face	Support(depend on camera)
Audio	Audio compression	G.711A
	Intercom	support
Record & playback	Recording mode	Manual>Alarm>Dynamic Detection>Timing
	Local playback	1ch4k/2ch5M/2ch4M/3ch3M/5ch1080P
	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	1/1 (3.5mm)
	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 — 106kp
	Dimension	118mm*46mm
	Weight	A total of about 63g



sign	Function	Pin number	Interface Description
J4	4PIN front panel interface	1	FRONT_Y3/+3.3
		2	FRONT_X1/GND
		3	ALARM
		4	REC
J3	Front panel interface without MCU	1	+3.3
		2	GND
		3	FRONT_IR
		4	FRONT_Y2
		5	FRONT_Y1
		6	FRONT_X2
		7	FRONT_Y3
		8	FRONT_X1
		9	ALARM
		10	REC
CN3	Sata data		
J5	SATA power extension socket	1	+5
		2/3	GND
		4	+12
J2	433	1	GND
		2	433_UART_TX
		3	433_UART_RX
		4	+3.3
		5	433_CTRL
CN2	Fan seat	1	+12
		2	GND
JT1	12V input	1	+12

		2/3	GND
J11	2*USB		
CN4	USB Extension interface	1	+5
		2	DM_P0
		3	DP_P0
		4	GND
J13,J14	RJ45		
J9,J10	POE switch expansion interface (compatible)		
J16	HDMI		
J12,J17	VGA		
J8	spaker interface		
J15	3.5mm Audio In/Output		
BT1, J6	Battery holder		