16CH

NDAA Compliant

4K H.265+

AI Real Time Multiplex Network Video Recorder

H.265+

XCore Technology
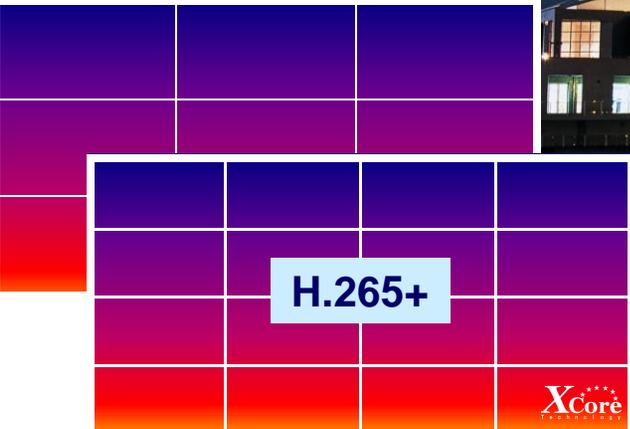
Fine quality made in Taiwan

Features

★ 16CH NVR support 4K network camera video and audio access.

★ Equipped with Novatek CPU (made in Taiwan) for a higher level of information security.

★ Support H.264 / H.264+ / H.265 (HEVC) / H.265+ compression algorithm technology.

★ Support HDMI & VGA video output.

★ Support up to 4K (3840x2160) HDMI resolution.

★ Support cloud service, plug and play, no need static IP.

★ Support ANR (Automatic Network Replenishment) for replenishing the recordings gap due to internet interruptions.

★ Active event notification via App, push status & video.

★ Support two-way voice intercom.

★ Support digital zoom.

★ Support API / ONVIF protocol.

★ Support MP4 / AVI / PS file backup format.

★ Support 1CH audio input and output, 4CH alarm input and 1CH alarm output.

★ Support 2 SATA ports, each HDD supports up to 10TB.

★ Support mobile monitoring (iPhone / iPad / Android / Android Pad).

★ Support various browsers (IE8~11 / Chrome / Firefox / Safari) and client software (VMS).
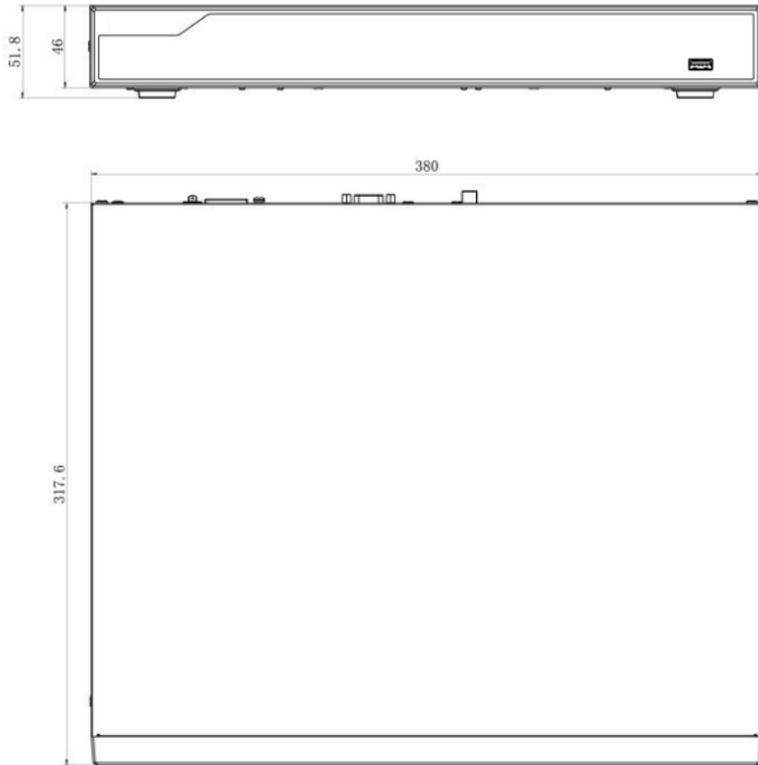
Specifications

Model No.		XNR265AI-4K16S2
CPU		Novatek SoC Built-in ARM Cortex A53 Dual Cores CPU
Operating System		Embedded Linux
Digital Video Input		16CH up to 4K (3840x2160)
Bandwidth		Input: 80Mbps / Output: 50Mbps
Compression Format		H.264 / H.264+ / H.265 (HEVC) / H.265+
Video Output Resolution	HDMI	1024x768@60Hz / 1280x720@60Hz / 1280x1024@60Hz / 1920x1080@60/50Hz / 3840x2160(4K)@30Hz
	VGA	1024x768@60Hz / 1280x720@60Hz / 1280x1024@60Hz / 1920x1080P@60/50Hz
Dual Stream		Support
Split Screen		1 / 4 / 9 / 16
Resolution		4K / 6MP / 5MP / 4MP / 3MP / 1080P / UXGA / 720P / D1 / VGA / CIF / QCIF
Audio		Input: 1CH RCA / Output: 1*RCA (Linear, 1kΩ) / Compression: G711/AAC/G722/G726 / Sample Rate: 8/16KHz
Alarm		Input: 4CH (Greater than 1.5V / Less than 20V) / Output: 1CH (Less than 24V@1A)
Voice Intercom		Support two-way
Digital Zoom		Support
OSD Display		Camera Title / Time / Recording / Motion Detection / Event Alarm
ANR		Support
ANPR		Support
Intelligent Analysis		Region Entrance / Region Exiting / Advanced Motion Detection / Tamper Detection / Line Crossing / Loitering / Human Detection / People Counting / Object Left / Object Removed
Recording Mode		Continuous / Event (Motion Detection / Alarm / VCA / Smart Analysis)
Snapshot Mode		Continuous / Event (Motion Detection / Alarm / VCA / Smart Analysis)
Playback Mode		General / Event / Tag / Split / Picture
Local Playback @30fps		1CH: 4K / 2CH: 6MP / 2CH: 5MP / 3CH: 4MP / 4CH: 3MP / 6CH: 1080P / 12CH: 720P
Backup Mode		Video Backup / Image Backup

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Remote Sync. Playback	Support
Backup Method	USB device (FAT32) / Network
Network Port	1*RJ-45 10/100/1000M Ethernet (Built-in 6KV Anti-Static Protection)
Incoming Bandwidth	100M
Network Protocol	IPv4/IPv6 / TCP / UDP / RTP / RTSP / RTCP / HTTP / HTTPS / DNS / DDNS / DHCP / NTP / SNTP / SMTP / SNMP / UpnP / NFS
P2P	Support
Compatibility	API / ONVIF
Browser	IE8~11 / Chrome / Firefox / Safari
VMS (PC Client)	Support Windows 7 / Windows 8 / Windows 10
Mobile Devices	iPhone / iPad / Android / Android Pad
Hard Drive Port	2*SATA 3.5" (Each 10TB Max.)
USB Port	2*USB2.0
Serial Port	N/A
Power Supply / Consumption	DC12V / ≤4W (w/o HDD)
Operating Environment	Temperature: -10℃ to 50℃ (14°F to 122°F) / Humidity: 10%~90% Non-condensing

1. Run Indicator   2. HDD Indicator   3. Power Indicator   4. USB   5. Alarm In/Out   6. Audio Out   7. HDMI   8. USB
9. Ethernet Port   10. Power   11. Power Button   12. GND   13. Audio In   14. VGA

Dimensions

- Dimensions (mm):
  380(W) x 317.6(D) x 51.8(H)

- Net Weight:
  1.9G (w/o HDD)

Infrastructure

Network Cameras

Switch HUB (POE)

Modem (WAN)

Mobile Devices

NVR

PC Client (VMS)
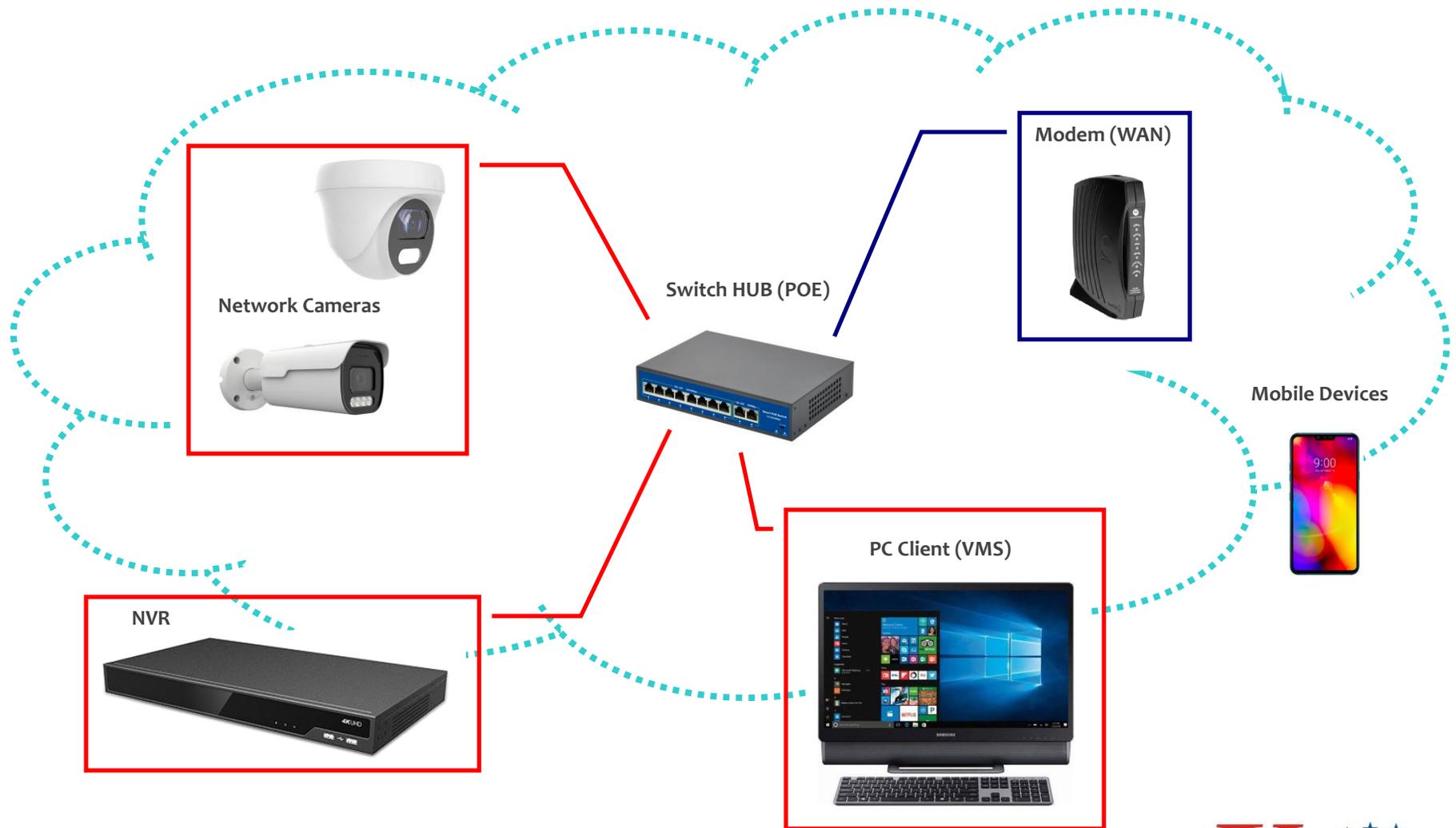
Slight specification variations may occur due to product enhancement to optimize functionality