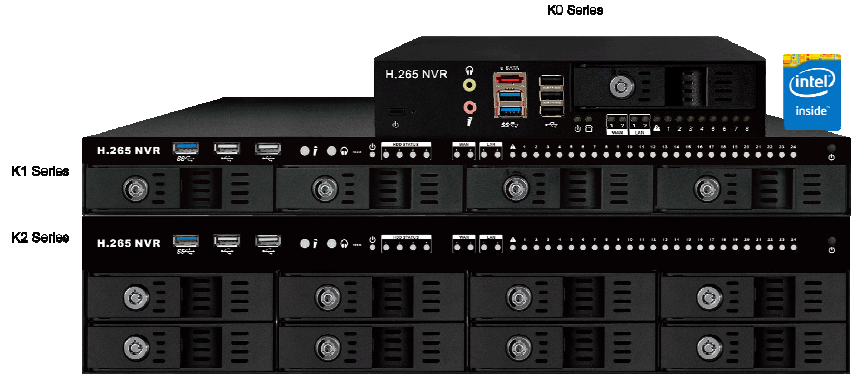




Windows based ET-K0/K1/K2 NVR: Network Video Recorder MEGAsys

K Series NVR H.265

UltraWin X86 Based H.265 Network Recorder



Practical Functions

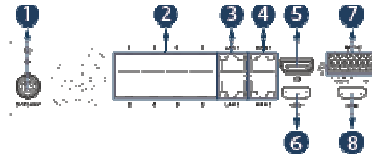
Highlights

- Up to 128 channels real-time live, record and playback
- Up to 640 Mbps of throughput – live and record
- 3MP / 5MP / 4K IP camera support
- Built-in DisplayPort / 2*HDMI display output
- Support 4K2K / 1080P local display output
- Built-in 8 / 16 / 24 PoE port, 802.3af/at
- Built-in 2* Giga WAN and 2* Giga LAN (Redundant & Trunkable Design)
- Hardware RAID 0 / 1 / 5 / 10 support (16/24 port model)
- Built-in digital Input / relay out & RS233/RS485 (Optional)

Features

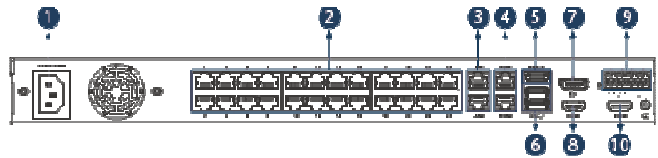
- H.265/H.264 recording and playback
- PTZ control with mouse or exclusive joystick
- Secure closed circuit Lan for IP cameras
- Up to 8 HDD support (2U model)
- Two-way audio support
- Per channel recording configuration
- Built-in DHCP server
- Built-in smart PoE switch
- Built-in Self-diagnosis detection (HS required)
- Built-in PoE management and power budget control
- Websmart management (functional, secure, scalable)

Rear Panel (8-Port Model)



- | | |
|--------------------------------|-----------------|
| 1. Power Jack | 5. Display Port |
| 2. PoE Switch | 6. HDMI Monitor |
| 3. LAN (RJ45) 10/100/1000 Mbps | 7. Alarm I/O |
| 4. WAN (RJ45) 10/100/1000 Mbps | 8. HDMI Monitor |

Rear Panel (24-Port Model)



- | | |
|--------------------------------|------------------|
| 1. Power Jack | 6. USB 3.0 Ports |
| 2. PoE Switch | 7. Display Port |
| 3. LAN (RJ45) 10/100/1000 Mbps | 8. HDMI Monitor |
| 4. WAN (RJ45) 10/100/1000 Mbps | 9. Alarm I/O |
| 5. e-SATA | 10. HDMI Monitor |



Windows based ET-K0/K1/K2 NVR: Network Video Recorder MEGAsys

SPEC SHEET

MODEL NAME	K0-08T	K1-24 (K1-16 optional)	K2-24
System			
Operation System	Intel Skylake i3 / i5		Embedded Win 7 / 10 / Linux
CPU	Intel Skylake i3 / i5 / i7		Intel Skylake i3 / i5 / i7
RAM (2*Slot)	2 x 4 GB, DDR4 (max 2 x 8 GB)		2 x 4 GB, DDR4 (max 2 x 8 GB)
Boot Drive	2.5" HDD , 2.5" SSD or Half-Slim SSD		2.5" HDD , 2.5" SSD or Half-Slim SSD
Graphics	Intel HD Graphics 530		
DISPLAY PORT Output*1	Up to 4096x2304 @60Hz		
HDMI Output*2	Up to 4096x2160 @24Hz or 2560x1600 @60Hz (HDMI 1.4)		
Audio Input	3.5 mm*1 phone jack		
Audio Output	3.5 mm*1 phone jack		
USB Port	USB 2.0*3 ; USB 3.0*2		USB 2.0*2 ; USB 3.0*3 (1 for front, 2 for back)
Recording / Playback*			
IPCAM Throughput ^(a)	Average : 320 Mbps (with i3) Peak : 420 Mbps (with i3)		Average : 640Mbps (with i7) Peak : 850Mbps (with i7)
GPU Decoding ^(b)	64CH real-time display (with i3) Up to 1920 fps@D1 decoding		128CH real-time display (with i7) Up to 3840 fps@D1 decoding
Storage and I/O			
Build-in SATA Interface	2.5" SATA*1 ; 3.5" SATA*1	2.5" SATA*1 ; 3.5" SATA*4	2.5" SATA*1 ; 3.5" SATA*8
Build-in RAID	N.A	RAID 0 / 1 / 5 / 10 (Optional:Marvell)	
eSATA	eSATA*1	eSATA*1	
COM Port	Default: N/A (Optional:RS-232, Terminal Block*1)		
Digital Input	Input level +/- 24V, Terminal Block*4		
Digital Output	24V, 1A, Relay NC, Terminal Block*4		
Others	Default: N/A (Optional: RS-485, Terminal Block*1)		
Network			
WAN Uplink	RJ-45*2, 10/100/1000 Mbps		RJ-45*2, 10/100/1000 Mbps
LAN Uplink	RJ-45*2, 10/100/1000 Mbps		RJ-45*2, 10/100/1000 Mbps
Built-in Power over Ethernet	RJ-45*8 , 10/100 Mbps		RJ-45*16 / 24, 10/100 Mbps
High Power PoE Level	IEEE 802.3 af/at *8		IEEE 802.3 af/at*16 / 24
PoE & Switch Management	Windows SDK / Linux SDK		
General			
Unit Dimensions (mm)	220 x 244.3 x 43.9	428 x 435 x 44	428 x 435 x 88
Unit Weight (kg)	2.5	6.1	7.5
Package Dimensions (mm)	458 x 321 x 110	575 x 575 x 175	575 x 575 x 175
Package Weight (kg)	3.82	8.2	9.5
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F		
Operation Relative Humidity	10% ~ 90% Non-condensing		
System Power Supply	AC 100~240V, 56V/ 3.57A (AC/DC adapter)	K1-16: AC 100~240V, ATX 420W (53V / 280W, 12V / 140W) K1-24: AC 100~240V, ATX 520W (53V / 360W , 12V / 160W)	K2-24: AC 100~240V, ATX 520W (53V / 280W 12V / 240W)

Product specification and availability subject to change without notice

Certain product names mentioned herein may be trade names and / or registered trademarks of their companies

(a) K0-8T configuration : i3 / Non-RAID / Linux / MEGAsysCMS , 64CH@Dual-streaming (4M+1M) , real-time display and recording

K1-16 & K1-24 configuration: i7 / JM-RAID5 / Linux / MEGAsysCMS, 128CH@Dual-streaming (4M+1M) , real-time display and recording

Extra IPCAMs be connected through UPLINK (Cascade with HS-Series)

Actual functions / performances may be varied by different VMS software and cameras settings.

(b) Based on Linux / MEGAsysCMS