



# VMSONE-NVR16

CE | FCC Enterprise Class VMS installed, all-in-one IP NVR

## OVERVIEW

- **Support 64ch** – Maximum 64 IP channels are supported per server. Hundreds of heterogeneous devices and cameras are supported. Typically, 300Mbps recording done per server, which is one of the industry leading configurations. Full HD (1920x1080) resolution images are stored up to 64 channels at 4Mbps. Full HD 16 channels on screen. Specialty cameras such as Fisheye, 5M, 10M, 120fps features supported. New camera integration support.
- **True All-in-one NVR** – Unlike other NVRs focusing on recording performance only, our NVR adds video recording, remote monitoring, in-system local monitoring all in one box. Real-time monitoring of 32ch HD video, 16ch full HD video, or 64ch D1 video using a monitor connected to an on-site NVR using the Open264 codec specialized for multi-channel monitoring. Additional monitoring client system is now an option, rather than a necessity.
- **Qualified Solution** – Real site running more than 5,000 channels, Korea local no.1 vendor, Asia Pacific no.5 vendor, Asia's first locally developed VMS, all refers to the technical and commercially successful VMS and NVR. International support networks and partners ensure your successful business.
- **Scalability** – Multi-Client license will enable you to control and monitor up to 4 NVR servers to combine up to 256 channel site designs. Additional scalability can be achieved through upgrading to the VMSONE VMS system which will be capable of thousands of cameras.
- **Technology** – Advanced technology proven by patents and certifications, satisfied customers by customer support and ISO 9001 certifications. Future proof engineering efforts according to technology trends will give you peace of mind. H.265 ready solutions are being prepared with Cloud, Virtual Machine support for certain product lines for enhanced customer demands
- **Support E-map** – New E-map version 3.0 provides better map-camera-event integration. Multi-layered map structure provides detailed situational awareness viewing on the map. This version will be provided free of charge for customers.

## SPECIFICATIONS

Video	Input	16 IP video ch	
	Supported device	Hundreds of heterogeneous camera support. ONVIF protocol support	
	Output	1 x DVI or 1 x HDMI or 1 x DisplayPort 1.2	
	Multi-Monitors	Dual Monitor	
Live Monitoring	Performance (H.264)	Max 120fps/ch. (dependent on supported cameras, available network bandwidth & environment)	
		D1	480fps
		1080p	480fps
	Resolution	1024x768 or higher	
	Screen Split	1/4/6/9/10/13/16	
Recording	Performance	Typical 300Mbps	
	Max HDD	12 bay (hot swap 12 HDD bay drive)	
	Max Storage	48TB (with 4TB drive)	
	Other	Default SSD 120GB with OS & VMSONE preinstalled. Additional HDD orders (4TB recommended)	
Codec	Video	H.264, MJPEG, MPEG4, Wavelet,	
	Audio	G.711, G.723, G.726, IP audio 64ch input. 2way audio function	
	Other	Patent-applied world's fastest C-Stream (Random Accessible P-frame) H.264 codec	
Search	Split Screen	1/4/6/9/10/13/16	
	Other	Multiple video synchro search, Selected channel time synchronization, AVI search, Event search, Smart Search etc	
Backup	Media	Local HDD, Local USB, Remote Client PC	
	Format	AVI or JPEG	
System	CPU	Intel Kaby Lake Platform or latest Intel CPU platform support	
	OS	Windows Embedded 10, 64 bit installed on SSD	
	NIC	2 x Gigabit Ethernet Port	
	USB ports	3 x Rear USB 3.1 Type A Port, 1 x Rear USB 3.1 Type C Port	
	Other ports	1 x Serial Port, HD Audio Jack	
Environment	Temperature	50 ~ 95F (10 ~ 35°C)	
	Humidity	20 ~ 70%	
Dimensions	inch	16.9 x 3.64(2U) x 22.0 inch (430 x 88(2U) x 560mm) W x H x D	
Weight	lb	30.86 lb(No HDD)~ 46.29lb(12 HDD) (14 ~ 21kg)	
Input Voltage		100-240V / 50-60Hz / Single Power Supply	
Server revision		R5e	
Remote Client	OS	Windows Embedded 10, 64 bit installed on SSD	
	Performance	Intel i7 series CPU recommended depending on performance requirements	