

JVC

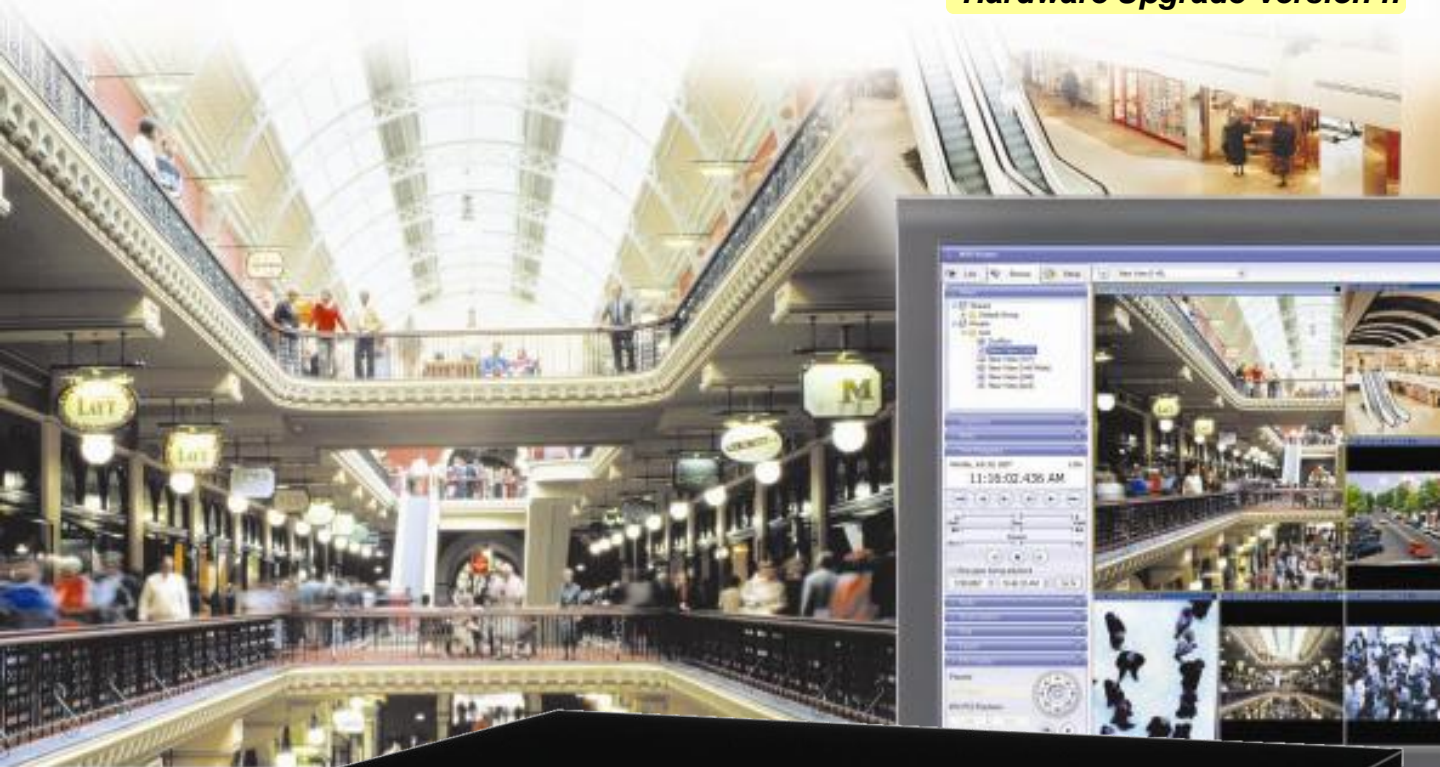
The Perfect Experience / —

NETWORK VIDEO RECORDER [16ch+]

VR-N1600U(A)

Ver.5.4

Hardware Upgrade Version !!



New Features

- **Additional camera license up to total 32 channel**

You can enhance the 16 channel NVR (the factory default) up to total 32 channels by adopting separately purchased "JVC NVR Additional Camera License".

- **Master / Slave configuration by VR-N900/1600 (A)**

Multiple NVRs can be configured as one integrated Master/Slave system without using PC .

No need for preparing extra Software license, just enable the Master / Slave configuration on your surveillance system using multiple NVR. JVC NVR, VR-N900 and VR-N1600(A) ensure your larger surveillance system under same easy-to-use concept as before.

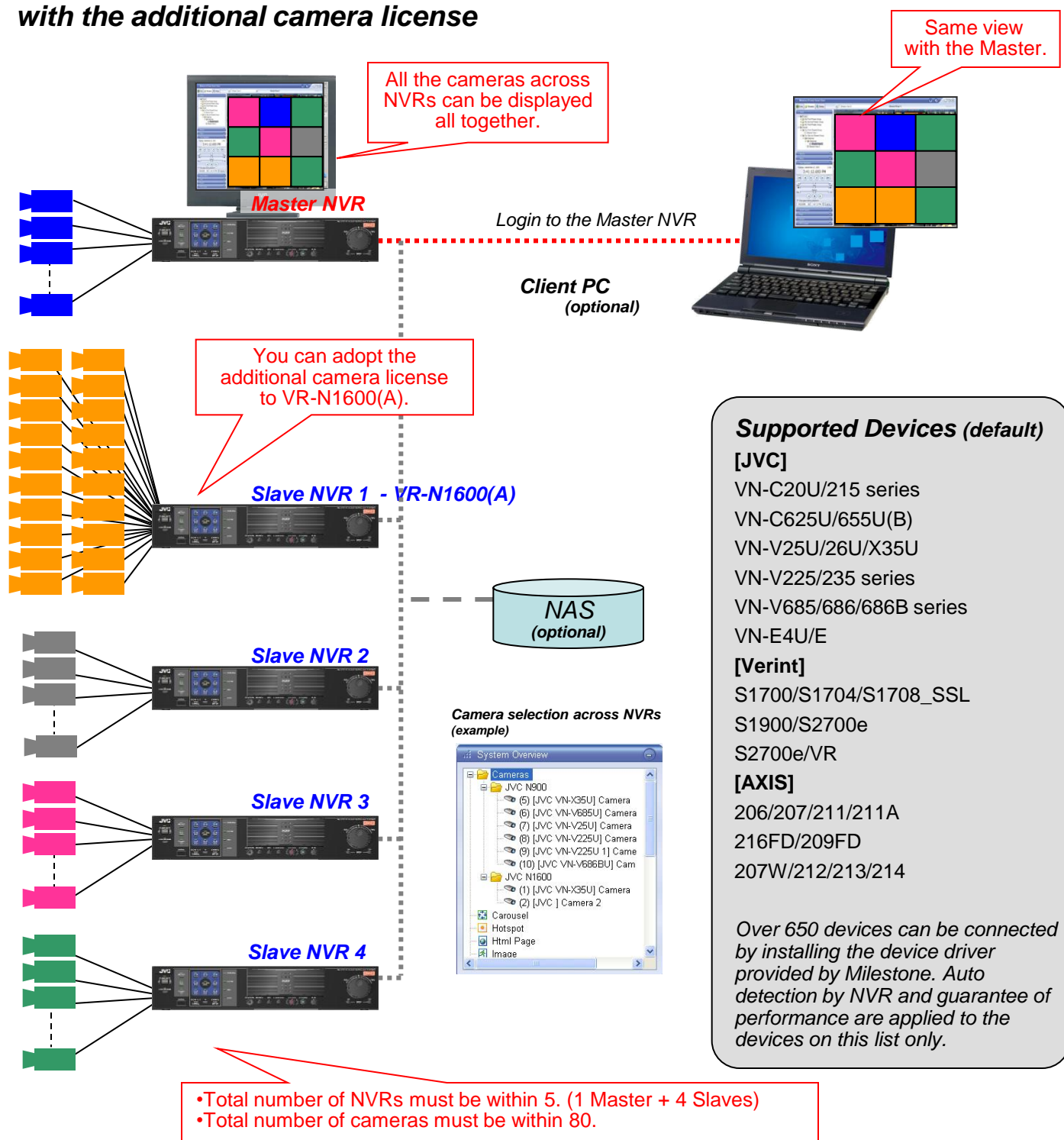
- **Increased Frame Rate**

Thanks to the doubled memory capacity of the VR-N1600U(A), the viewing frame rate and network distributing frame rate are increased to 160 ips each. (previously 80ips each)

- **Preinstalled camera drivers**

VN-X35U, VN-V685U, VN-V686B series, VN-V225 series, VN-X235 series and AXIS209FD

NVR Master / Slave System configuration example with the additional camera license



NOTE:

● VR-N900 and VR-N1600(A) can be mixed in the Master/Slave system, and either model can run as a Master or Slave, but to get the official technical support from the factory, the number of Slave NVR per 1 Master NVR should be up to 4 and total number of the camera per 1 Master/Slave system should be up to 80, which is currently the maximum configuration at the factory testing. And when configuring NVR Master/Slave system, all NVR version has to be same, and no Milestone XProtect Enterprise Slave is supported by the Master NVR. Lastly the Master NVR can not be specified as a Slave from another Master NVR or Master XPE.

● NVR Ver1.5 or later version can be updated to Ver5.x using provided update program. In case of Ver1.4 or earlier, please update to Ver1.5 first then update to Ver5.x.

VR-N1600U(A) Specification

HDD	500 GByte (Internal S-ATA)
CPU	Intel E8400 Embedded (3GHz)
RAM	1GByte (DDR3)
Frame rate	Recording / Local viewing / Network distribution frame rate are as follows. [When not using NAS] 160 ips / 160 ips / 160 ips 240 ips / 0 ips / 160 ips (* when not using local viewing) [When using NAS] 80 ips / 160 ips / 160 ips 80 ips / 0 ips / 160 ips (* when not using local viewing) When playing back recorded video and the total number of live and playback views is over 13, adjust the viewing frame rate less than total 80ips instead of 160ips.
Number of supported channels	Up to 16 (can be extended up to total 32 by separately purchased additional camera license)
Master Slave configuration	Yes with another same version VR-N900U or VR-N1600U(A). Up to 5 NVRs within total 80 cameras.
Video Compression	JPEG / MPEG-4
Audio Compression	μ-law (64kbps) A/D 8 bit, Fs 8KHz
SNMP Client	Yes (SNMP Ver1 and Ver2c)
System Requirement (for NVR Viewer)	OS :Microsoft Windows 2000 Professional / 2000 Server / XP professional / Vista Business / Vista Ultimate / Server 2003 / Windows 7 CPU : Intel Pentium-4 or higher (Xeon recommended), minimum 2.4GHz RAM : Minimum 512MByte VGA : AGP or PCI-Express minimum 1024 x 768 (1280 x 1024 recommended), 16 bit color or higher Network : 100Mbps or higher HDD : at least 50MByte free space Other : Microsoft .Net Framework 2.0, DirectX 9.0 or higher, Internet Explorer 6.0 or 8.0
Preinstalled camera driver	[JVC] VN-V25U/26U/X35U VN-V225U/V225VPU/X235U/X235VPU VN-V685U/V686U/V686WPU/V686BU/V686WPBU VN-C20U/C215U series VN-C625U/C655U(B) VN-E4U/VN-E4E [Verint] S1700/S1704/S1708/S1900/S2700e [AXIS] 206/207/209FD/211/212/213/214/216/225
USB	USB2,0 A-Type x 5
VGA	Up to 1600 x 1200 pixels
Audio Input	Analog audio RCA x 2 (8dBs 50kΩ)
Audio Output	Analog audio RCA x 1 (8dBs 600Ω)
I/O terminals	Input x 12 / Output x 5/ GND x 3
Power Supply	AC220 – 240V, 50Hz/60Hz
Operating Temperature	5°C ~ 40°C
Storage Temperature	-20°C to 60°C
Mass	Approx. 7.8Kg

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