

Digital CCTV system



NR-5000/NR-5080 NETWORK VIDEO RECORDER

**32ch
(16+16)**

**2TB (NR-5000)
8TB (NR-5080)**

**Live/Record
480fps**

ONVIF

Remote monitoring

H.264

PoE

- 16 channels (up to 32 channels when PoE HUB is connected)
- Main monitor: HDMI x 1, Sub-monitor: HDMI x 1
- Recording: Full HD 480 fps (30 fps x 16 cameras)
- Live/Playback: max. 480 fps (30 fps x 16 split screens)
- Display split: 1,4,9,16 (Main monitor/Sub-monitor)
- Super-resolution technology
Super-resolution technology used by both Mitsubishi Electric 7000 Series cameras and 5000 Series NVRs achieves amazing improvement in image quality, even during electronic zooming.
- Simple setup, Simple operation, Easy-to-use GUI
- Alarm recording, pre-alarm recording, program recording (16 programs)
- Alarm search, time/date search, thumbnail search, sidebar search
- Recent playback (5sec before), Replay with live
- Copy to USB memory
- 3-level log-in password
- Low power consumption: 150W

NR-5000(2TB) Recording Time

(days)

No. of cameras	Recording bit rate per channel										
	6Mbps ^{*1}	5Mbps ^{*1}	3Mbps	2Mbps	1.5Mbps	1Mbps	768kbps	512kbps	384kbps ^{*2}	256kbps ^{*2}	128kbps ^{*3}
16	1.5	1.8	2.6	3.5	4.1	5.1	6.5	9.4	12.1	17.0	28.3
12	2.0	2.4	3.5	4.6	5.5	6.8	8.7	12.6	16.2	22.6	37.8
8	3.0	3.5	5.3	6.9	8.3	10.2	13.1	18.9	24.3	34.0	56.7
4	6.1	7.1	10.5	13.9	16.5	20.4	26.1	37.7	48.5	67.9	113.4
2	12.2	14.2	21.0	27.8	33.0	40.8	52.2	75.4	97.0	135.9	226.7

NR-5080(8TB) Recording Time

(days)

No. of cameras	Recording bit rate per channel										
	6Mbps ^{*1}	5Mbps ^{*1}	3Mbps	2Mbps	1.5Mbps	1Mbps	768kbps	512kbps	384kbps ^{*2}	256kbps ^{*2}	128kbps ^{*3}
16	6.1	7.1	10.6	13.9	16.6	20.5	26.2	37.9	48.7	68.3	113.9
12	8.2	9.5	14.1	18.6	22.1	27.3	35.0	50.5	65.0	91.0	151.9
8	12.2	14.2	21.1	27.9	33.2	41.0	52.5	75.8	97.5	136.6	227.9
4	24.5	28.5	42.3	55.8	66.4	82.0	104.9	151.6	195.0	273.1	455.8
2	49.0	57.0	84.6	111.6	132.8	164.1	209.9	303.2	390.0	546.2	911.6

*1 Camera image size recorded supports use during Full HD operation.

*2 Camera image size recorded supports use during HD/HVGA operation.

*3 Camera image size recorded supports use during HVGA operation.

* The recording time is a rough estimation. Depending on the images being recorded, operation may not be the same as specified in the manual. * Regarding possible recording rates when an expanded HDD is connected, please contact to the nearest Mitsubishi Electric sales office.

Specifications

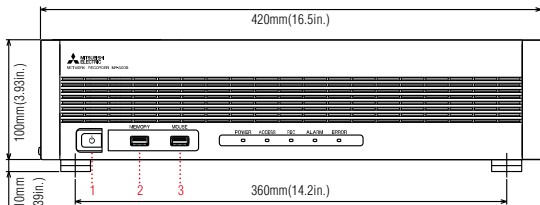
Operating system	Linux	
Video		
Input	Camera x 16 ch (Up to 32ch when PoE HUB is connected)	
Output	Main Monitor: 1(HDMI) / Sub-monitor: 1 (HDMI)	
Audio		
Input	Camera x 16 ch (Up to 32ch when PoE HUB is connected)	
Output	Main Monitor: 1(HDMI)	
Network		
Ethernet	10BASE-T/100BASE-TX/100BASE-T (1 port), 1000BASE-T (1 port)	
Network protocol	TCP/IP, UDP/IP, RTP, RTCP, DHCP, NTP, IGMP, ICMP, ARP	
USB	USB 3.0 x 7 ports (mouse, memory, expandable HDDx4, UPS)	
Recording		
Capacity	NR-5000: Approx. 2TB NR-5080: Approx. 8TB (4TB x 2 units), mirroring setting possible	
Format	Video: H.264 Audio: G.711(μ-LAW)/AAC-LC(selectable)	
Recording rate	Video (per channel max.)	Full HD 6Mbps/30fps, SXVGA 3Mbps/30fps, HD (720P) 3Mbps/30fps, VGA 3Mbps/15fps, HVGAW 1Mbps/30fps
	Audio (per channel)	G.711 (μ-LAW) 64kbps fixed, AAC-LC 128kbps fixed
Recording mode	Normal	H.264 Record all frames
	Intermittent	H.264 Record only IDR frame
	Alarm	Record by alarm input and/or motion detection
	Pre-alarm	Selectable (10 or 30sec)
	Program	16 different program x1 set, schedule set (daily, specific days, or specified days of the week), possible to set individual cameras in custom configurations.
	Repeat	Records by overwriting on old data first
	Screenshots	In single screen mode, screenshots can be saved with either live or playback
Playback		
Playback modes	Normal, Seamless, Recent Replay, Replay with Live, Fast Forward, Rewind, Frame Forward, Frame Reverse, Pause	
Search functions	Thumbnail, Slidebar, Alarm, Date/Time	
Audio	Live	Selectable (from all cameras)
	Playback	Selectable (from all cameras)
Display		
Split-screen	Main monitor: 1, 4, 9, 16 split screens Sub-monitor: 1, 4, 9, 16 split screens	
Display mode	Main monitor	Live, Replay, Replay with Live, Sequential display
	Sub-monitor	Live, Sequential display
Display rate	Live	30fps (max.)
	Playback	30fps (max.)
Language	English, Thai, and Japanese Other languages, (Spanish, German, Russian and Polish) will be supported accordingly	
External storage		
Storage device	USB memory	
Storage methods	1. Up to 16 individual video/audio recording streams can be saved to storage device 2. Screenshots can be saved to storage device	
Playback method	Playback either using NVR or computer with Windows®-based operating system.	

Security		
Password	Depending on the operating authority, three-level management of log-in passwords is possible.	
Other features		
Easy setup	Easy-system-setup with guidance	
Operation	Operations using a mouse	
Error warnings	Status of errors are displayed on screen and output in contact terminals	
Contact terminals	Input/output ports: 16 (9 inputs, 5 outputs, +12V output, GND)	
Detection and Alarm		
Trigger events	Alarm/Pre-alarm, clock adjustment	
Motion detection	Yes	
Output	Alarm signal, camera error, HDD error, recorder operating status	
Maximum capacity	Up to 4 expandable HDDs (96TB at RAID 0)	
Power supply	100-240VAC, ±10%, less than 1.5A (under 150W)	
Camera power supply	PoE (IEEE802.3af)	
Operating temperature/humidity	5°C to +40°C (41°F to 104°F), 20% to 80%RH (no condensation)	
Dimensions/Color	420 x 270 x 100mm(16.54x10.63x3.93in.) (WxDxH) /Black	
Weight	8kg(17.64lb.)	
Accessories	Instruction manual, Power cables	
Options	Recorder stand (K-9500)	
Expandability	Connecting a PoE HUB to a dedicated camera expansion port enables up to 16 more cameras to be connected. (The maximum total fps rate for all channels is 480fps and the recording rate must be lower than 114Mbps.)	
Approvals	PSE: J60950 (H22) CE IEC60950-1 2nd Ed.AMd.2, EN55022:2010, EN55024:2010, EN61000-3-2, EN61000-3-3:2013 UL, FCC: UL 60950-1 2nd Ed.AMd.2, FCC Part15, IES-003 Issue5	

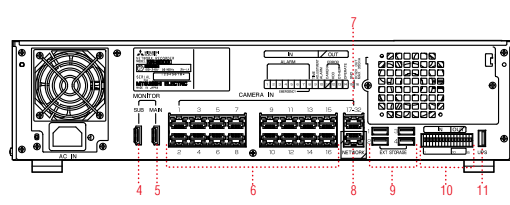
Remote monitoring function

Viewers	PC(Browser)	Smartphone/tablet	PC(application)
	Windows® 7 : Chrome	iPhone5, iPad : Safari	
	Windows® 8.1 : IE11	Android : Chrome	
OS supported	Windows® 7 32bit	Android (4.4.*)	Windows® 7 32bit
	Windows® 8.1 64bit	iPhone5	Windows® 8.1 64bit
Display	Full HD		Full HD
Live/Playback video	4 split screens (max.)		16 split screens (max.)
Live/Playback audio	Selectable		Selectable
Transmission rate	Effective rate: 9-stepped settings from 32kbps - 10Mbps		
User access	5 (max.)		
Playback modes	Normal, Seamless, Fast Forward, Rewind, Frame Forward, Frame Reverse, Pause		
Search	Alarm, Date/Time		
Security	Log-in password		
Camera control	Preset PTZ control		

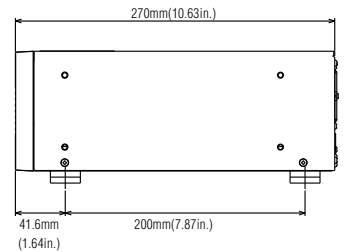
Front - Rear Panels / Dimensions



1. Power button
2. Serial port (USB memory)
3. Serial port (Mouse)



4. Monitor OUT (Sub-monitor)
5. Monitor OUT (Main monitor)
6. Camera connection port
7. Expandable camera connection port
8. Router connection port
9. Serial port (Expandable HDD)
10. I/O port
11. UPS port





for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

⚠ Safety precautions

* To ensure safe operation, please read the instruction manual carefully before use. Various factors such as heat, humidity, smoke, dust, and amount of use can lead to deterioration and, in turn, malfunctions or accidents.

The NVR's HDD and cooling fan are motor-driven.

For stable, continuous recording, it is recommended that HDDs and cooling fans be replaced every three years. (Please note this does not constitute a guarantee, and the timeframe is based on operating at a constant 25°C.)

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Koriyama factory



JQA-1080
Communication
Networks Center

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