

NETWORK CAMERA

NC-7020 (Full HD)



NETWORK CAMERA

NC-7620 (Full HD)



Product name	NETWORK CAMERA NC-7020	NETWORK CAMERA NC-7620	NETWORK CAMERA NC-7820
Type	Indoor box	Indoor dome	Outdoor fixed(IP66)
Imaging device	1/2.8 CMOS sensor		
Effective pixels	1920(H)x1080(V) approx. 2.08 million pixels		
Image size	1920x1080(Full HD), 1280x960(SXVGA), 1280x720(HD), 640x360(HVGA), 320x180		
Wide dynamic range (WDR)	Yes		
Electronic zoom	16x(max.)		
Electronic sensitivity	16x(max.) *with automatic electronic sensitivity function		
Digital sensitivity	16x(max.)		
Minimum illumination	0.03 lux(color, 1/30sec), 0.002 lux(color, 16/30sec) *NC-7620: when equipped with clear dome(optional)		
Lens	Varifocal lens approx. 3x		
Focal distance	f = 3.0mm - 9.0 mm		
Angle of view	Horizontal: 92.5° - 30.5° Vertical: 47.0° - 17.0°		
Angle adjustment	Pan: ±175°, Tilt: 0°-70°, Rotation: ±90°		
Flicker correction	50Hz, 60Hz		
Backlight compensation	Backlight compensation with area-selectable presets		
White balance	Automatic/Manual/Lock *with area-selectable AWB(Auto-White Balance)		
Other features	Easy scene fitting, Motion detection, Tampering detection Privacy Zone, and Local Monitor Output(for angle adjustment)		
Built-in microphone	G.711(μ-Law)/ACC-LC(selectable)		
Video compression	H.264/M-JPEG		
Frame rate	30 frames per second(fps)		
Maximum transmission distance	100m(109yd.) (when using UTP Cat5e)		
Operating temperature/humidity	-10°C to +50°C(41°F to 122°F), less than 80% RH(no condensation)		
Color	White		
Dimensions and weight	80x159x48mm (3.15x6.26x1.89in.) (WxDxH) 320g(0.70lb.)	120 in diameter x 108(H)mm (4.72 in diameter x 4.25(H)in.) (WxDxH) 540g(1.19 lb.)	120x308x214mm(4.72x 12.13x8.42in.) (WxDxH) 2.0Kg(4.40lb.)
Accessories	Instruction manual	Instruction manual	Instruction manual/ Bracket
Options	Bracket(WH-31) Outdoor camera case(B-2100) Indoor camera case(B-1100)	Clear dome cover(K-9763) Outdoor dome camera case(B-9660A) Ceiling Unit(K-9660A)	

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NC-7820 (Full HD)



NETWORK VIDEO RECORDER

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



Product name	NETWORK VIDEO RECORDER NR-5000	NETWORK VIDEO RECORDER NR-5080
Video Input	Camera x 16 ch(Up to 32ch when PoE HUB is connected)	
Video Output	Main monitor: 1(HDMI)/Sub-monitor: 1 (HDMI)	
Audio Input	Input: camera x 16 ch, Output: main monitor:1(HDMI)	
Recording Recording capacity	Approx. 2TB	Approx. 8TB(4TB x 2 units), mirroring setting possible
Video encoding	H.264	
Recording rate	Full HD 6Mbps/30fps, HD 3Mbps/30fps, HVGAW 1Mbps/30fps	
Recording modes	Normal, Intermittent, Pre-Alarm, Alarm	
Program recording	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 recording	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	Thumbnail, Slidebar, Alarm, Date/Time	
Display Split-screen	Main monitor/Sub-monitor: 1, 4, 9, 16 split screens	
Display modes	Main Monitor: Live, Replay, Replay with Live, Sequential display Sub-monitor: Live, Sequential display	
Display rate	Live/Playback: 30fps(max.)	
External Storage device	USB memory*1	
Storage 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 methods	Playback either using NVR or computer with Windows®-based operating system.	
Security Passwords	Depending on the operating authority, three-level management of log-in passwords is possible.	
Remote monitoring	Windows® computers: Dedicated application or proprietary browser Smartphone/Tablet: Proprietary browser required	
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.)	
Other 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)	
Network	10BASE-T/100BASE-TX/100BASE-T(1 port), 1000BASE-T(1 port)	
Power supply	100-240VAC, ±10V, less than 1.5A (under 150W)	
Operating temperature/humidity	5°C to +40°C(41°F to 104°F), 20% to 80%RH(no condensation)	
Dimensions/Weight/Color	420x270x100mm(16.5x10.6x3.9in.) (WxDxH)/8kg(17.6lb.)/Black	
Options	Recorder stand(K-9500)	
Accessories	Instruction manual, Power cables	

NR-5080(8TB) Recording Time

No. of cameras	Recording bit rate per channel (days)										
	6Mbps*2	5Mbps*2	3Mbps	2Mbps	1.5Mbps	1Mbps	768kbps	512kbps	384kbps*3	256kbps*3	128kbps*4
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 Please use USB memories confirmed to be compatible for operating with Mitsubishi Electric products. *2 Camera image size recorded supports use during Full HD operation. *3 Camera image size recorded supports use during HD/HVGAW operation. *4 Camera image size recorded supports use during HVGAW 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.

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

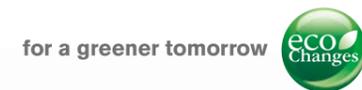
* To ensure safe operation, please read the instruction manual carefully before use. Various factors such as heat, humidity, smoke, dust, and amount of use can lead to deterioration and, in turn, malfunctions or accidents.

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 that this does not constitute a guarantee, and the timeframe is based on operating at a constant 25°C.)

Microsoft Windows® is a registered trademark of Microsoft Corporation in the United States of America and other countries. Other company and product names mentioned are the trademarks or registered trademarks of the respective companies. * Please be advised that specifications are subject to change without prior notice. * Screenshots such as images and menus in this catalog are simulations for demonstration only, and actual images may be different.

Koriyama factory

JQA-1080
Communication Networks Center



Digital CCTV system
NETWORK CAMERA 7000 Series
NETWORK VIDEO RECORDER 5000 Series



Changing video surveillance systems with advanced technologies



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Introducing Mitsubishi Electric's new digital CCTV system: High-definition images, high scalability, easy installation, and intuitive operation



Advanced video quality

Full HD, super-resolution technologies and high sensitivity

A new level of image quality has been achieved by combining full HD images and the super-resolution technologies. Smooth video and recording are also possible.

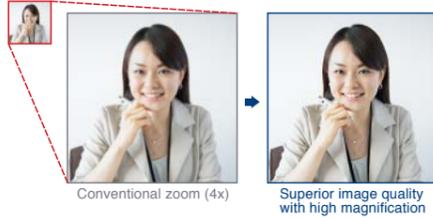
Outstanding clear video with full HD images

Full HD resolution (1920 x 1080) covers all surveillance areas. Faces, bank note denomination and even product labels are clearly visible.



Super-resolution technology for better image quality - even when magnified

Super-resolution technology used by both cameras and NVRs achieves amazing improvement in image quality, even during electronic zooming.



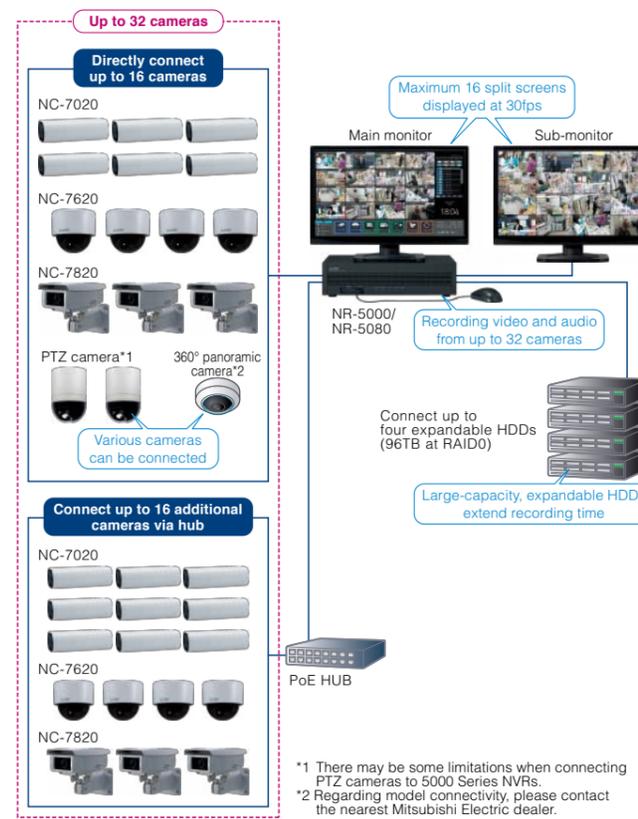
Clear image under dim light or backlight conditions

Mitsubishi Electric's proprietary video technology delivers enhanced picture quality without additional lighting.



High scalability

Connect up to 32 cameras



Longer recording time ensured with large-capacity, expandable HDD

Remote monitoring via smartphones and tablets

Wide-ranging camera connectivity

NVR supports ONVIF Profile S for connecting with various cameras, giving users a wider selection of cameras.

Note: Connectivity testing with other manufacturers' cameras is required. Mitsubishi Electric doesn't guarantee compatibility.

Simultaneous 16 split screens with 30fps live and playback

No matter the number of split-screen windows, live and playback video remain smooth and strikingly clear. Thirty (30)-frame-per-second (fps) video is available even in 16 split screens. Quick movements are captured certainly, leaving nothing unrecorded with our own property.

Single screen	16 split screens			
30fps	30fps	30fps	30fps	30fps
	30fps	30fps	30fps	30fps
	30fps	30fps	30fps	30fps
	30fps	30fps	30fps	30fps

16 split screens, 30fps viewing – even with sub-monitor

Sub-monitor can also display 16 split screens simultaneously at 30fps.

Easy to install and use

Intelligent operation with intuitive user interface

Easy to use GUI for hassle-free user operation.



Simple operation ensures improved surveillance efficiency

All necessary functions are located on-screen. Thumbnail Search and Sidebar Search functions allow easy operation.



Slider search offers intuitive image searching



Simple installation – easy to connect and setup

The simple architecture uses only cameras and NVRs. No network setting is needed.

Energy-saving, space-saving NVR. Power consumption is less than 150W, and no computer or hub required.



Multi-language

NVR supports English, Thai, and Japanese. Other languages (Spanish, German, Russian and Polish) will be supported accordingly.

*Screenshots such as images and menus are simulated, and actual images may be different.