20 SERIES
HN20320200N/ HN20320400N/ HN20320800N

32 channels Embeded NVRs



HN20320200N



HN20320400N



HN20320800N

TECHNICAL SPECIFICATIONS

SYSTEM	
Operating System	Embedded LINUX
VIDEO	
Inputs	HN2032xx00N: 32 channels IP
AUDIO	
Audio Input/Output	HN2032xx00N:Input from 20 Series IP Camera 1 channel RCA ouput (for two-way talk)
Two-way Communication	HN2032xx00N: 1 channel RCA HN2032xx00N: Support from web browser and CMS application
DISPLAY	
Interface	2 HDMI, 1 VGA
Resolution	1080P; 1280 × 1024; 960P; 720P; 960H; D1; CIF
Display Split	Main output: 1/4/6/8/9/13/16/25/32/36 (live view) AUX output: 1/4/6/8/9 (live view) Max. 32+9CH local live view
OSD	Camera title; time; video loss; motion detection; recording

RECORDING	
Compression	H.265S / H.265+ / H.265 / H.264
Resolution	12 MP / 8 MP / 6 MP (3072 ×2048); 5 MP (2560 × 1920); 4 MP (2560 × 1440); 3 MP (2048 × 1520); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 ×576/704 × 480); CIF (352 × 288 / 352 × 240)
Frame Rate	12MP: 20fps; ≤8MP: 25 fps
Record Bit Rate	HN20320200N, HN20320400N: Incoming: 192 Mbps; Outgoing: 192 Mbpss HN20320800N: Incoming: 160 Mbps; Outgoing: 160 Mbps
Bit Rate[1]	32 Kbps ~ 10Mbps, per channel
Recording Mode	Schedule (regular / continuous, motion detection, alarm); manual; stop

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VIDEO DETECTION AND ALARMS	
Trigger Events	Recording; PTZ preset; alarm; email; snapshot; buzzer
Video Detection	Motion detection from Performance Pro Series IPC, Network Offline
Alarm Input	HN20320200N: 8 CH local alarm input HN20320400N and HN20320800N: 16 CH local alarm input
Relay Output	HN2032xx00N: 4 CH
STORAGE	
Internal HDD	HN20320200N: 2 SATA III ports, up to 10 TB each; no e-SATA HN20320400N: 4 SATA III ports, up to 10 TB each; 1 e-SATA HN20320800N: 8 SATA III ports, up to 10 TB each; 1 e-SATA
PLAYBACK AND BACKUP	
Sync Playback	4 channel NVRs:1 / 4 8 channel NVRs: 1 / 4 / 8 16 channel NVRs: 1 / 4 / 8 / 16
Search Mode	Time / date; alarm; motion detection (MD); exact search (accurate to a second); smart search
Playback Function	Play; pause; stop; rewind; fast play; slow play; next file; previous file; next camera; previous camera; full screen; repeat; shuffle; backup selection; digital zoom
Backup Mode	Compatible USB device; network
NETWORK	
Ethernet	HN2032xx00N: 2 RJ-45 ports (10 / 100 / 1000 Mbps)
Supported Protocols[2]	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, IP Search, P2P, 802.1x, TLS 1.2, SNMP
Maximum Number of Users	128 users
Network Throughput	HN20320200N and HN20320400N: Incoming: 192 Mbps; Outgoing: 192 Mbps HN20320800N: Incoming: 160 Mbps; Outgoing: 160 Mbps
Smart Phone Compatibility	iPhone; iPad; Android
Recording Mode	Schedule (regular / continuous, motion detection, alarm); manual; stop

AUXILIARY INTERFACE	
USB Ports	2 USB Ports (USB2.0) 1 USB Port (USB3.0)
ELECTRICAL	
Power Supply	HN20320200N: DC 12 V / 4 A; HN20320400N and HN20320800N: ATX 250 W
Power Consumption	HN20320200N and HN20320400N: ≤ 20W (without HDD) HN20320800N: ≤ 30W (without HDD)
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Relative Humidity	10% to 90% relative humidity
PHYSICAL	
Dimensions	HN20320200N: 380 mm × 268 mm × 48.1 mm (15" x 10.6" x 1.9") HN20320400N: 440 mm × 390 mm × 70 mm (17.3" x 15.4" x 2.8") HN20320800N: 445 mm × 436 mm × 90 mm (17.5" x 17.1" x 3.5")
Weight (Without HDD)	HN20320200N: 2.87 kg (6.33 lb) (without HDD) HN20320400N: 2.9 kg (6.39 lb) (without HDD) HN20320800N: 6 kg (13.23 lb) (without HDD)
REGULATORY	
Emissions	HN20320200N: EN 55032, EN IEC 61000-3-2, EN 61000-3-3 HN20320400N and HN20320800N: EN 55032, EN 61000-3
Immunity	HN20320200N: EN 55035 HN20320400N and HN20320800N: EN 61000-4
Safety	HN20320200N: IEC 60950-1, IS 13252(Part 1) HN20320400N and HN20320800N: IEC 60950-1, IS 13252(Part 1), EN IEC 62368-1
RoHS	HN20320200N/HN20320400N/ HN20320800N: IEC 62321

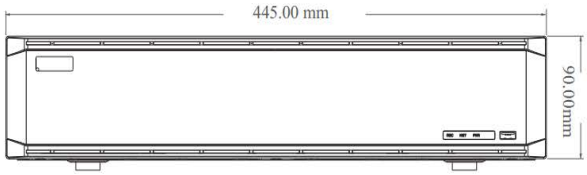
[1] Actual bitrate is scene and motion dependent with H.264 stream.

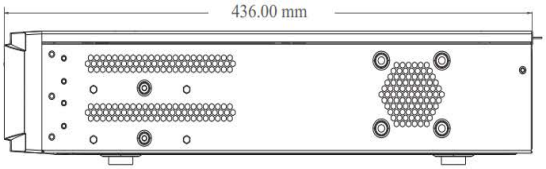
[2] Some development might be required in specific user cases to support some of these protocols in the field, as protocols will mature over time.

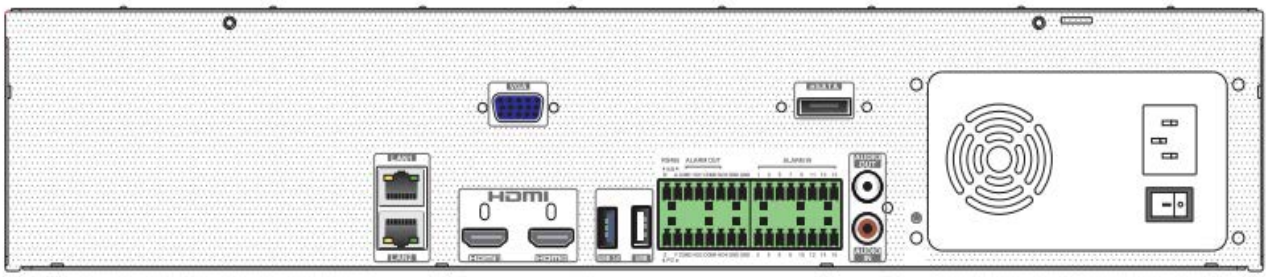
RECOMMENDED CAMERAS	
IP Eyeball Cameras	HC20WE4R3, HC20WE4R2, HC20WE5R3, HC20WE5R2
IP Bullet Cameras	HC20WB4R3, HC20WB4R2, HC20WB5R3, HC20WB5R2

ORDERING	
HN203202	H.265 32CH NVR 0TB, 2HDD, Non-PoE
HN203204	H.265 32CH NVR 0TB, 4HDD, Non-PoE
HN203208	H.265 32CH NVR 0TB, 8HDD, Non-PoE

DIMENSIONS







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