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4K H.265 Pro NVR 5000 Series

NDAA ✓

4K+H.265

DATASHEET

4K	H.265 HEVC	ST Onvif	Dual Stream	ANR	VCA
4K	H.265	Onvif S&T	Dual Stream	ANR	VCA

ANPR	Online Upgrade	P2P	HTML5	Face Detection
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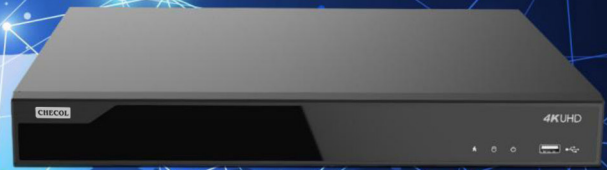
KEY FEATURES

▶ NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)

▶ 8/16-CH Network Video Input (Up to 8/16 channels IP cameras can be connected.)

▶ H.265$^+$ (H.265$^+$ allows to cut down 70%~80% bandwidth while ensuring the high quality of images compared with H.264.)

▶ Dual Stream Recording (Supporting Primary Stream and Secondary Stream recording simultaneously.)

▶ HTML5 Streaming Ready (Support previewing the video via all major browsers without plug-in when Video Codec is set to H.265.)

▶ Auto Backup (The latest 24 hours' video will be automatically backed up to USB Port Devices or NAS after setting up the backup.

Power Decoding Capacity & Flexible Storage Options

• The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum support simultaneous viewing of 6*1080P or 12*720P network cameras.
• Providing flexible storage options including HDD and NAS to address the needs for versatile storage.

Reliability

• ANR can store video data on the camera storage card when network between IPC and NVR is disconnected and retransfer the recorded video to NVR after network recovers.
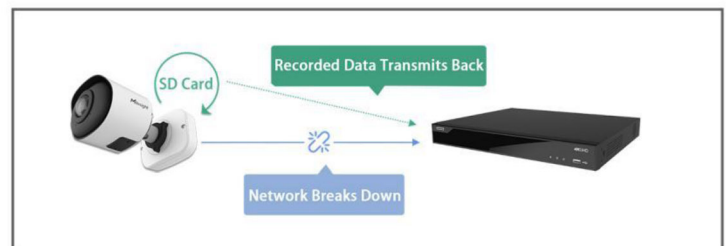
AI Video Analytics & POS Integration

• All-in-one to Manage AI & ANPR:
  VCA Function focus on human and vehicle detection.
  People Counting provides high-accuracy data and statistic reports.
  Face Detection function supports attribute recognition.
  Enterprise ANPR Management makes it easy to monitor traffic.
• POS machine information can be transferred to and displayed on the NVR.
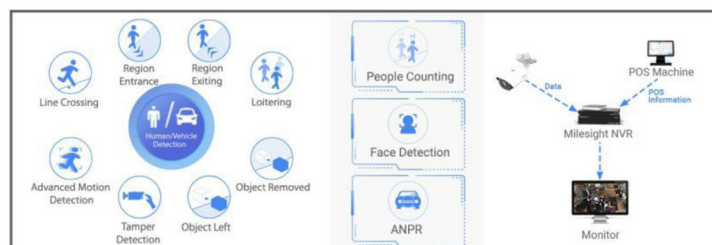
Flexible Structure

• U-Rack Standard supported.
• A whole array of ports provides all necessary features for effective surveillance.

Rack Mountable Chassis (1.0U Standard)

| Model	MS-N5016-UT
Video/Audio Input — Network Video Input	16-CH
Bandwidth	160Mbps
Video/Audio Output — HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output
VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Dual Stream	Support
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF
Synchronous Playback	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 8*(30fps @720P)
Video/Audio Compression — Video Compression	H.265(HEVC)/ H.264
Audio Compression	G.711/AAC
Sample Rate	8KHz/16KHz
Storage — SATA	2*SATA HDD(3.5")
Capacity	Up to 10TB capacity for each HDD
Recording Management — Recording Type	Continuous, Event (Motion Detection, Alarm)
Snapshot Type	Manual Snapshot
Playback Type	Video Playback, Image Playback
Backup — Backup	Video Backup, Image Backup
Network — Protocol	IPv4, TCP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, NTP, SNTP,
External Interface — Network Interface	1*RJ45 100/1000Mbps
USB Interface	1*USB 3.0; 2*USB 2
Audio Input/Output	— /1*RCA
Alarm Input/Output	4-CH/1-CH
General — Keyboard Control	Keyboard (MS-K02)
Power Supply	DC 12V 50Hz~60Hz
Consumption	≤10W(Without HDD)
Working Conditions	Temperature: -10℃ ~55℃ / Humidity: 10%~90%
Dimensions	1.0U Standard Chassis 440mm(W)×251mm(D)×44.4mm
Weight	2.6Kg

Interfaces

MS-N5016-UT
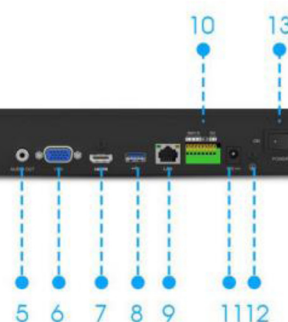
1. Run Indicator
2. HDD Indicator
3. Power Indicator
4. USB
5. Audio Out
6. VGA
7. HDMI
8. USB
9. Ethernet Port
10. Alarm In/Out
11. Power
12. GND
13. Power Button

Structure Diagrams

44.4

251

440
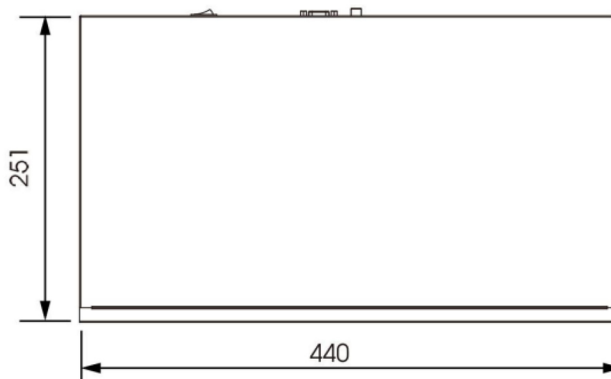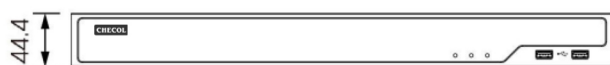
Units: mm

Naming Convention

MS-N — 5 — 016- — UT/H

5	016-	UT/H
2*3.5"HDD	016--16-CH (032--32-CH)	4K+H.265

* All Specifications / colors are subject to change without notice. (V.02)