LINCHOON
Shenzhen Linchoon Technology Co. Ltd.

LINCH TECH-NVR-16CH-4K Ultra Network Video Recorder

Network Video Recorder

LINCH TECH-NVR-16CH-4K Ultra Network Video Recorder	**TECHNICAL PARAMETERS** • Main processor; Industrial grade processor • Operating system; Embedded Linux • Management interface; Web, local graphical interface • . • AI from the recorder; Face recognition; face recognition; perimeter security; SMD Plus • AI using a camera; Face recognition; face recognition; video metadata (people, cars and non-motorized vehicles); perimeter security; SMD Plus; stereo analysis; crowd distribution; counting of people; ANPR; density of vehicles; heat map • Perimeter protection • AI perimeter recorder performance (number of channels); 4 channels, 10 IVS rules for each channel • The perimeter of AI performance by camera (number of channels); 16 channels • Face recognition • Face attributes; Gender; age group; glasses; Expressions; Mask; beard • AI face recognition performance using a recorder (number of channels); 2 channels (up to 12 face images in each channel) • AI face recognition performance by camera (number of channels); 16 channels • Face detection • Face database capacity; Up to 20 face databases with 20,000 images with a total capacity of 2.5 g. Name, gender, birthday, address, credential type, credential number, countries and regions and state can be added to each face image. • AI face recognition performance by recorder (number of channels); 1. 16-channel FD (by camera) + FR (by recorder), image stream: 16 face images / sec • 2. 2-channe FD (by voice recorder) + FR (by voice recorder), video stream: 12 face images/s • Face recognition AI by camera (number of channels); 16 channels • SMD Plus • SMD Plus from the recorder; 8 channels:

	Secondary filtering for people and cars, reducing false alarms caused by leaves, rain and changing lighting conditions
	• SMD Plus with camera; 16 channels
	• Video Metadata
	• Performance of AI metadata by cameras (number of channels); 8 channels
	• Human attributes; Top color, top type, bottom color, bottom type, hat, bag, age, gender and umbrella
	• Attributes of motor vehicles; License plate, color of the license plate, car body, vehicle model, vehicle logo, call, seat belt, car interior, place of registration of the vehicle.
	• Attributes of a non-motorized vehicle; Car model, vehicle color, number of people, helmet.
	• Comparison of car license plates
	• ANPR by camera (number of channels); 8 channels
	• The capacity of the license plate database; 1. Create up to 20,000 plate numbers.
	• 2. Blacklist and permission list
	• Audio and video
	• Access channel; 16
	• Network bandwidth; AI disabled: 384 Mbit/s incoming, 384 Mbit/s write and 384 Mbit/s outgoing
	• The AI is enabled: 200 Mbit/s incoming, 200 Mbit/s recording and 200 Mbit/s outgoing
	• Resolution; 32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
	• Decoding capability; AI is disabled:
	• 2-channel 32 MP@20 frames per second; 2-channel 24 MP@20 frames per second; 4-channel 16 MP@30 frames per second; 5-channel 12 MP@30 frames per second; 8-channel 8 MP@30 frames per second; 12-channel 5 MP@30 frames per second; 16-channel AI with 4 MP@30 frames per second:
	• 1-channel 32 MP@20 frames per second; 1-channel 24 MP@20 frames per second; 2-channel 16 MP@30 frames per second; 4-channel 12 MP@30 frames per second; 4-channel 8 MP@30 frames per second; 8-channel 5 MP@30 frames per second; 12-channel 4 MP@30 frames per second
	• Video output; 1-channel VGA, 1-channel HDMI video output.
	• Heterogeneous video source output for HDMI and VGA
	• supports 4K display
	• Multi-screen display; Main screen: 1/4/8/9/16
	• Additional screen: 1/4/8/9/16

	- Access to a third-party camera; ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung - Compression standard - Video compression; Smart H.265+; H.265; Smart H.264+; H.264; MDPEG - Sound compression; G.711a; G.711u; ICM; G726 - Network - Network Protocol; HTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DHCP; DNS; SMTP PROTOCOL; UPnP; IP filter; PPPoE; FTP; DDNS; Alarm server; IP search (supports IP camera, DVR, NVS, etc. D.); Multicast; P2P; Automatic registration - Mobile phone access; iOS; Android - Functional compatibility; ONVIF 21.12(Profile T; Profile S; Profile G); .CGI; SDK Package - Browser; Chrome - IE 9 or later - Firefox - Playback of the recording - Multi-channel playback; Up to 16 channels - Recording mode; General, Motion detection; Smart; Alarm; POS - Backup method; USB device and network - Playback mode; Instant playback, general playback, event playback, tag playback, intelligent playback (face and motion recognition) - Keeping - Disk group; Yes - Anxiety - General alarm; Motion detection; Privacy masking; local alarm - Anomaly alarm; Camera offline; storage error; disk full; IP conflict; MAC conflict; Login lockout; abnormal fan behavior; cybersecurity exception - Intelligent alarm system; Face recognition; perimeter security; face recognition; video metadata (people, cars and non-motorized vehicles); SMD Plus; stereo analysis; crowd distribution; counting of people; ANPR; density of vehicles; heat map - Alarm communication; Recording; snapshot (panoramic); local alarm; External IPC alarm output; access controller; audio; buzzer; log, preset; Send by e-mail - Port - Audio input; 1-channel RCA - Audio output; 1-channel RCA - Alarm input; 4 channels - Signal output; 2 channels - HARD DISK interface; 2 SATA ports with a

	capacity of up to 16 TB. The maximum capacity of the hard drive depends on the ambient temperature. • RS-232; 1 • RS-485; 1 • USB port; 2 (1 USB 2.0 port on the front panel, 1 USB 3.0 port on the back panel) • HDMI connector; 1 • VGA; 1 • Network port; 1 (Ethernet port 10/100/1000 Mbps, RJ-45) • General • Power supply; 12 V DC, 4 A • Power consumption; Total NVR power is ≤ 10W (without HDD) • Net weight; 1.57 kg • Gross weight; 2.73 kg • Product dimensions; 375.0 mm × 284.4 mm x 56.0 mm • Package dimensions; 433.0 mm × 141.0 mm × 366.0 mm • Operating temperature; -10 °C to +55 °C • Storage temperature; -20 °C to +60 °C • Operating humidity; 10%-93% (relative humidity) • Installation; Rack or desktop computer • Certificates; FCC: 47 CFR FCC Part15, Subsection, Class A • CE-EMC: EN 55032: 2015+ A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017 + A11: 2020; EN 50130-4: 2011+A1: 2014 • CE-LVD: EN 62368-1: 2014