

Nazwa Projektu: „Poprawa bezpieczeństwa w Gminie Dobra-monitoring”	Zamawiający: Gmina Dobra z siedzibą w Dobrej, przy ul. Szczecińskiej 16a, 72-003 Dobra
Wykonawca: ANMIT S.C. Teresa Wróblewska Michał Wróblewski ul. Adama Mickiewicza 132 71-147 Szczecin	Nr Umowy: WKI.ZP.272.33.2024.LT Termin wykonania: czerwiec 2025 r.

WNIOSEK O ZATWIERDZENIE MATERIAŁU*/URZĄDZEŃ

Numer: WZMU-T-022	
Materiał*/ Urządzenie*	Rejestrator Hikvision AE-MN5043
Odniesienie do wymagań Kontraktu (dokumentacja projektowa)	Rejestrator mobilny w samochodach Straży Miejskiej
Producent:	Hangzhou Hikvision Digital Technology Co., Ltd.
Załączniki	karta katalogowa, deklaracja zgodności

	Data	Podpis
Kierownik Robót Krzysztof Reymont Nazwisko	20.02.2025	

	Komentarz	Status	Data	podpis
Inspektor Nadzoru Piotr Kawicki Nazwisko				
Nadzór autorski Nazwisko				

Uwagi: (jeżeli zabraknie miejsca, proszę opisać na odwrocie)

AE-MN5043 Series Mobile Video Recorder

AE-MN5043 series NVR is a professional solution to vehicle video and audio management with built-in Linux operating system. It supports CVBS video and audio output, featuring HD encoding/decoding, transmission based on 4G wireless network, satellite positioning, secure data storage, HDD vibration absorber, alarm input/output, driving information collecting and ports added for peripheral devices. It provides camera selection and coding solutions specialized in video and audio recording management for public transports, school buses, taxis, learner-driven vehicles, trucks, etc.



▪ Application

The anti-corrosion performance level of AE-MN5043 series NVR is standard. It is suitable for regular scenarios only and might be damaged when exposed to corrosive environment.

Description of anti-corrosion performance level:

Anti-corrosion Performance	Application
Professional	Coastal areas, wharfs, ports, ships and chemical factories, etc.
High	Areas exposed to acid rain; areas over 1.24 miles (1 km) away from the coastline
Standard	Regular environment with little corrosion exposure

▪ Key Feature

- 4-ch IP cameras connectable via PoE interfaces, and 4-ch IP cameras extendable via PoE switch.
- Up to 5MP resolution of H.264/H.265 compression for each IP camera.(*Support this function since V5.6.54)
- Pluggable dummy HDD for HDD with up to 2 TB capacity.
- User-friendly GUI providing easy and flexible operations.
- Pluggable 4G module and Wi-Fi module providing flexible data transmission solutions.
- Built-in GPS module precisely positioning the vehicle via the satellite and recording the location information in the video stream.
- Information collection interfaces collecting driving information such as left/right turn, braking, reversing, etc.
- Specialized aviation connectors ensuring signal stability.
- Shutdown delay (0 h to 6 h) and 24-hour scheduled startup/shutdown.
- Build-in super-capacitor prevents the mobile NVR from damage caused by sudden power outage.
- Wide-range power input (+9 VDC to +36 VDC).
- Power-off protection prevents key data loss.
- Aluminum die-cast chassis with no fan design well adaptable to working environment.
- Software-based firewall supported.
- Support accessing via WEB browser.
- Support recording backup on redundant HDD/SSDs.



▪ Specification

Model		AE-MN5043
Video/Audio Input	IP Camera	4-ch connected via PoE interfaces and 4-ch extendable via PoE switch.
	Two-way Audio	1, integrated in EXT.DEV interface
Video/Audio Output	Video Output	Main output: 1, integrated in EXT.DEV interface VGA: 1
	Audio Output	1, integrated in EXT.DEV interface
Encoding/Decoding Parameters	Video Compression	H.264/H.265
	Encoding Resolution	Main stream: 1080P/720P/WD1/4CIF Sub-stream: 720P/WD1/4CIF/2CIF/CIF
	Frame Rate	PAL: 1 to 25 fps; NTSC: 1 to 30 fps
	Audio Compression	G.711a/G.711u/G.722.1/G.726
	Stream Type	Video, video & audio
	Audio Bitrate	16 Kbps
	Dual Stream	Supported
Storage	HDD/SSD	2 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD HDD/SSD data can be exported locally via this converter (optional) (A dummy HDD with 2 HDD/SSDs can be extended; Not for baseline. Note the SD card capacity when ordering)
	SD Card	1 × SD card, up to 256 GB (not for baseline. Note the SD card capacity when ordering)
Wireless Network	4G Dialing	1 × 4G card slot, 1 × FAKRA antenna
	Available Module	5G module(optional)
	Wi-Fi	WI58 model: 2 × 5.8 G Wi-Fi SMA antenna (Optional. 802.11B/G/N and 802.11AC are selectable. 1 antenna is needed for 802.11B/G/N module. 2 antennas are needed for 802.11AC module.)
Positioning	GNSS (Global Navigation Satellite System)	GPS (Global Positioning System) & GLONASS (Global Navigation Satellite System), 1 × FAKRA antenna
External Interface	Network Interface	● Front panel :1 × 10M/100M RJ45 ● Rear panel: 1 × 10M/100M M12 6-pin aviation connector <i>Note: The front and rear network ports are at different network segments and the 6-pin aviation network cable female head to RJ45 is optional.</i>
	Serial Port	1 × RS-232(harness is optional), 1 × RS-422 (integrated in EXT.DEV interface)
	USB Interface	● Front panel: 1 × USB 2.0 ● Rear panel: 1 × USB 2.0 (5-pin aviation connector)
	Sensor-in	4 high/low level signal inputs
	Alarm Input	4 high/low level signal inputs, 1 pulse signal input, 1 BUTTON input
	Alarm Output	2 relay signal outputs
General	Operating Method	Mouse, IR remote control, Web control, and touchscreen
	G-sensor	Built-in
	Remote Control	Optional
	Power Supply	+9 to +36 VDC
	Consumption	● Standby: ≤ 0.5 W ● Full load: ≤ 45 W Note: Without peripheral and storage media ≤ 20 W
	Working	-10 °C to +60 °C (+14 °F to +140°F)

	Temperature	
	Working Humidity	10% to 95%
	Device Dimension (W × D × H)	206 × 225.4 × 60.1 mm (8.1 × 8.87 × 2.37 inch)
	Device Weight (Without Storage Media)	1.66kg (3.67 lb)
	Certification	CE/FCC/Emark/EN50155/CB/EN45545/ROHS 2.0/ISO-7637-2

▪ Available Model

AE-MN5043 (RJ45/M12)

AE-MN5043 (RJ45/M12) + AE-MP1460/GLF/S, (supports 4G dialing),

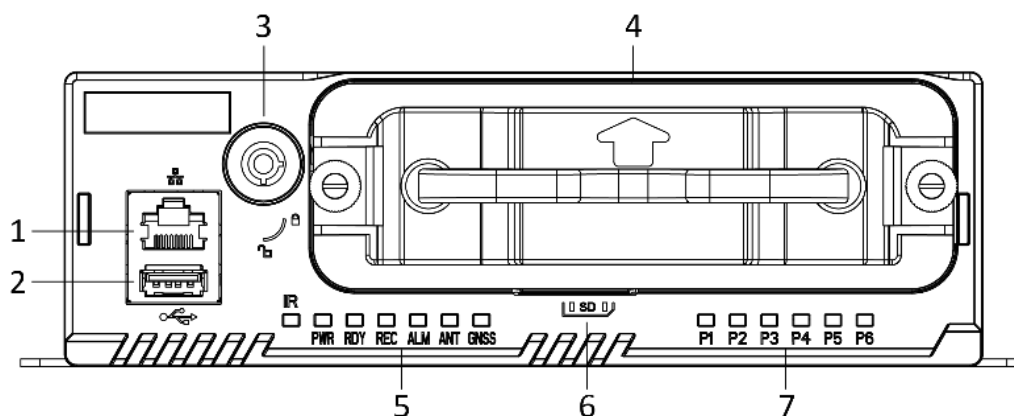
AE-MN5043 (RJ45/M12) + AE-MP1460/GLF/WI58/S, (supports 4G dialing and 5.8G Wi-Fi)

AE-MN5043 (RJ45/M12)+ AE-MP1460/GLF/WI/S, (supports 4G dialing and 2.4G Wi-Fi)s

* 4G and Wi-Fi functions are supported only when AE-MP1460 Mobile Wireless Component is equipped with AE-MN5043.

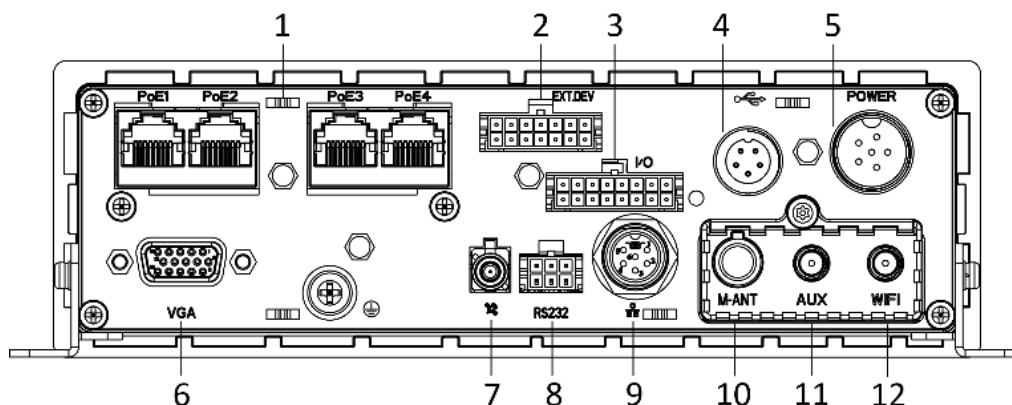
▪ Physical Interface

▪ Front Panel

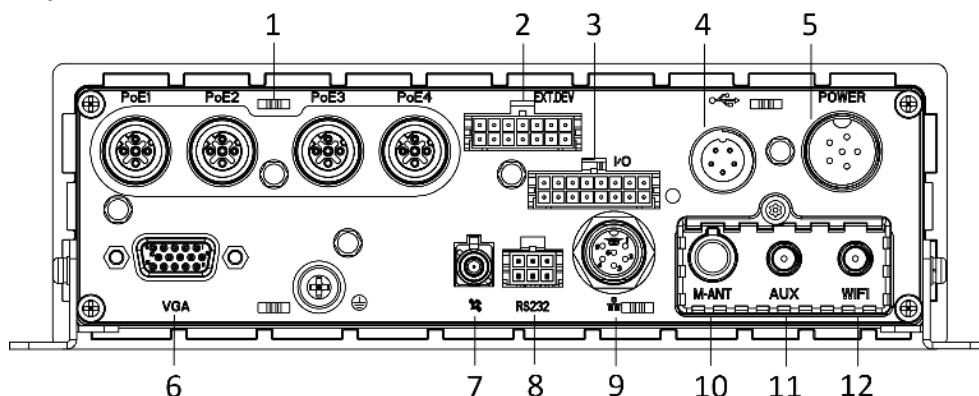


No.	Name	No.	Name
1	10M/100M RJ45 Ethernet interface	5	PWR: Power indicator RDY: Ready indicator REC: Record indicator ALM: Alarm indicator ANT: Dialing indicator GNSS: Positioning indicator
2	USB 2.0 interface	6	SD card slot
3	Dummy HDD/SSD lock	7	P1 to P4: Video input connector indicator P5: Video input of 6-pin aviation connector indicator P6: Front panel network interface status indicator
4	Dummy HDD/SSD		

▪ Rear Panel(RJ45)



▪ Rear Panel(M12)



No.	Name	No.	Name
1	Network camera inputs	7	Satellite positioning antenna interface
2	RS-422 communication interface, two-way audio interface, and CVBS video output	8	RS-232 (for debugging)
3	Alarm in, alarm out, and sensor-in	9	10M/100M M12 6-pin aviation network connector
4	USB 2.0 of 5-pin aviation connector	10	4G dialing antenna interface
5	Power supply	11	Auxiliary Wi-Fi antenna interface
6	VGA video output interface	12	Wi-Fi antenna interface

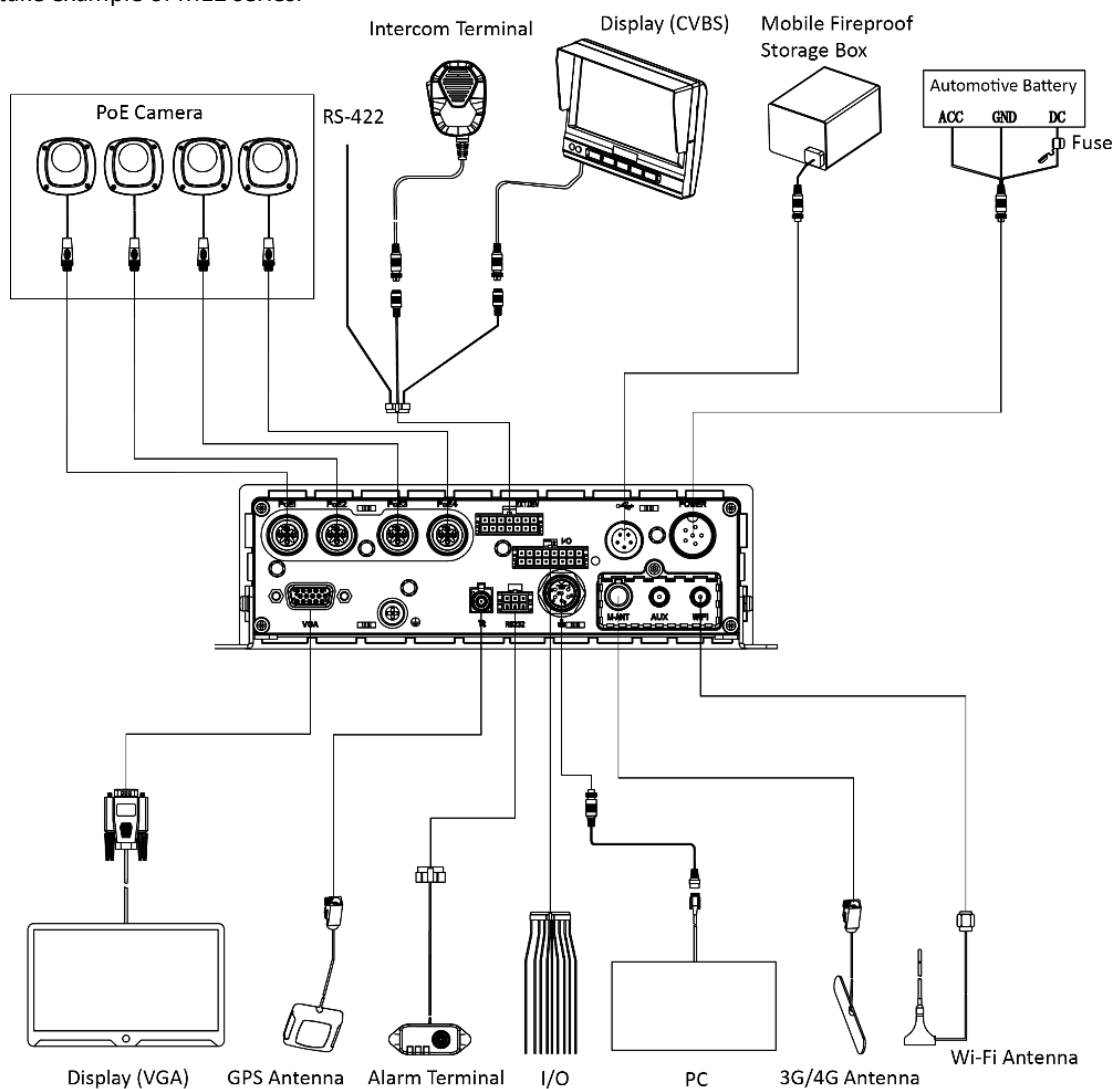
▪ Packing List

Description	Quantity	Picture
Fuse	2	
Power cord	1	
Key	1	

Alarm line	1	
Extension cable	1	
GPS antenna	1	

▪ Peripheral Connection

* Here we take example of M12 series.



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VERIFICATION OF EMC COMPLIANCE

Verification No.: GZEM2202000602ATV
 Applicant: Hangzhou HikAuto Technology Co., Ltd.
 Address of Applicant: Room 309, Floor B, Building 2, No. 399, Danfeng Road, Binjiang District, Hangzhou City, Zhejiang Province
 Manufacturer: Hangzhou HikAuto Technology Co., Ltd.
 Address of Manufacturer: Room 309, Floor B, Building 2, No. 399, Danfeng Road, Binjiang District, Hangzhou City, Zhejiang Province
 Factory: Hangzhou HikAuto Technology Co., Ltd.
 Address of Factory: 1. Room 309, Floor B, Building 2, No. 399, Danfeng Road, Binjiang District, Hangzhou City, Zhejiang Province;
 2. No. 700, Dongliu Road, Binjiang District, Hangzhou City, Zhejiang Province;
 3. No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang, 310052, China
 Product Description: Network Video Recorder
 Model No.: Please refer to page 2 for details.
 Trade Mark: HIKVISION
 Sufficient samples of the product have been tested and found to be in conformity with
 Test Standards: EN 50498: 2010
 As shown in the
 Test Report Number(s): GZEM220200060201

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Kobe Jian
EMC Laboratory Manager



Date: 2022-03-22

VERIFICATION OF EMC COMPLIANCE

Verification No.: GZEM2202000602ATV

Model No.: AE-MN5043, AE-MN5043/GW, AE-MN5043/GW/WI, AE-MN5043/GW/WI58, AE-MN5043/GLF, AE-MN5043/GLF/WI, AE-MN5043/GLF/WI58, AE-MN5043(1T); AE-MN5043/5G, AE-MN5043/5G/WI58, AE-MN5043(M12), AE-MN5043/GW(M12), AE-MN5043/GW/WI(M12), AE-MN5043/GW/WI58(M12), AE-MN5043/GLF(M12), AE-MN5043/GLF/WI(M12), AE-MN5043/GLF/WI58(M12), AE-MN5043(1T)(M12), AE-MN5043/5G(M12), AE-MN5043/5G/WI58(M12), AE-MN5043(RJ45), AE-MN5043/GW(RJ45), AE-MN5043/GW/WI(RJ45), AE-MN5043/GW/WI58(RJ45), AE-MN5043/GLF(RJ45), AE-MN5043/GLF/WI(RJ45), AE-MN5043/GLF/WI58(RJ45), AE-MN5043(1T)(RJ45), AE-MN5043/5G(RJ45), AE-MN5043/5G/WI58(RJ45), AE-MN5043(B), AE-MN5043(1T)(B), AE-MN5043/GLF(B), AE-MN5043/GLF/WI(B), AE-MN5043/GLF/WI58(B), AE-MN5043/5G(B), AE-MN5043(RJ45)(B), AE-MN5043(1T)(RJ45)(B), AE-MN5043/GLF(RJ45)(B), AE-MN5043/GLF/WI(RJ45)(B), AE-MN5043/GLF/WI58(RJ45)(B), AE-MN5043/5G(RJ45)(B), AE-MN5044(B), AE-MN5044(1T)(B), AE-MN5044/GLF(B), AE-MN5044/GLF/WI(B), AE-MN5044/GLF/WI58(B), AE-MN5044/5G(B), AE-MN5044(RJ45)(B), AE-MN5044(1T)(RJ45)(B), AE-MN5044/GLF(RJ45)(B), AE-MN5044/GLF/WI(RJ45)(B), AE-MN5044/GLF/WI58(RJ45)(B), AE-MN5044/5G(RJ45)(B), AE-MN5044, AE-MN5044(1T), AE-MN5044/GLF, AE-MN5044/GLF/WI, AE-MN5044/GLF/WI58, AE-MN5043(M12)(B), AE-MN5043(1T)(M12)(B), AE-MN5043/GLF(M12)(B), AE-MN5043/GLF/WI(M12)(B), AE-MN5043/GLF/WI58(M12)(B), AE-MN5043/5G(M12)(B), AE-MN5044(M12)(B), AE-MN5044(1T)(M12)(B), AE-MN5044/GLF(M12)(B), AE-MN5044/GLF/WI(M12)(B), AE-MN5044/GLF/WI58(M12)(B), AE-MN5044/5G(M12)(B), AE-MN5044(M12), AE-MN5044(1T)(M12), AE-MN5044/GLF(M12), AE-MN5044/GLF/WI(M12), AE-MN5044/GLF/WI58(M12), AE-MN5044/5G(M12), AE-MN5043H, AE-MN5044H, AE-MH5044H(1T), AE-MN5043H(1T), AE-MN5043H(1T)(M12), AE-MN5044H(1T)(M12), AE-MN5043H(B), AE-MN5044H(B), AE-MH5044H(1T)(B), AE-MN5043H(1T)(B), AE-MN5043H(1T)(M12)(B), AE-MN5044H(1T)(M12)(B), AE-MN50XX/YY/ZZ, AE-MN50XX/YY/ZZ(M12), AE-MN50XX/YY/ZZ(RJ45), AE-MN50XX/YY/ZZ(B), (The "X", "Y" and "Z" in the model name mean X=0-9, A-Z or blank, Y=0-9, A-Z or blank, Z=0-9, A-Z or blank or "-" or "*" or "/")



Declaration of Conformity for RoHS Directive

Product Name: A-Controller

Product Model: AE-MN5043

Manufacturer: Hangzhou Hikvision Digital Technology Co.,Ltd.
No.555 Qianmo Road, Binjiang District, Hangzhou 310052,
China

Directives: 2011/65/EU and subsequent updates

**The Product described above is in conformity with the relevant
European Union harmonization legislation.**

Sign for and on behalf of: Hangzhou Hikvision Digital Technology Co., Ltd.

Signature: Zhan Ye

Full Name: Zhan,Ye

Title: Global Certification Director, Hangzhou
Hikvision Digital Technology Co., Ltd.

Date of Issue: 07/10/2023

Place: China

This declaration is issued under the sole responsibility of the manufacturer.