PRODUCT QUICK GUIDE

ONBOARD SECURITY VIDEO SYSTEM

January-June 2023

HIKVISION®

Mobile Onboard Video System

002 Analog Camera

004 Network Camera

007 Dashboard Camera

010 Digital Video Recorder

012 Network Video Recorder

015 360° Surround View System

017 Mobile Accessories

Hikvision's Mobile Onboard Video System is designed for easier and smarter supervision, scheduling, and emergency response of buses, taxis, trucks, and other types of vehicles. The system enables real-time monitoring of vehicles interior and their surroundings along with high precision positioning of vehicles. The system's video analytics capabilities ensure that abnormal driving behaviors can be promptly and accurately detected and drivers can be instantly alerted, protecting them and their passengers from potential incidents. Should an incident such as pickpocketing or traffic accident occur, video footage with key data can be exported to law enforcement agencies as forensic evidence. The system also features a powerful platform software for live view, video playback, GIS map, device health monitoring, emergency alarms, and more.

Mobile Onboard Video System

Analog Camera

- Up to 2 MP @ 25/30 fps
- Indoor / outdoor housings in a variety of models
- With high-definition analog video monitoring technology, uncompressed and high-resolution video transmits perfectly
- Real-time monitoring of public transportation
- Local recording and remote downloading of HD video

Analog Camera

Model	AE-VC222T-IT(S)	AE-VC224T-IT	AE-VC211T-IRS(New)	AE-VC253T-IT	AE-VC154T-IT(Aviation)	AE-VC263T-ITS	AE-VC155T	AE-VC236T
Image	HOT	HOT	HOT	HOT	HOT	HOT		NEW
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	progressive scan CMOS	Progressive Scan CMOS
Resolution	1920 × 1080	1920 × 1080	1920 x 1080	1920 × 1080	1280 × 720	1920 × 1080	1280 × 720	1920×1080
Min. Illumination	0.1 lux @ (F1.2, AGC ON), 0 lux with IR	0.1 lux @ (F1.2, AGC ON), 0 lux with IR	0.1 lux @ (F1.2, AGC ON), 0 lux with IR	0.1 lux @ (F1.2, AGC ON), 0 lux with IR	0 Lux with IR	0.01 Lux @ (F1.2, AGC ON) , 0 Lux with IR	0.1 lux @ (F1.2, AGC ON)	0.01 Lux @ (F1.2, AGC ON)
Lens	2.1 mm, 2.8 mm	2.1 mm, 2.8 mm, 3.6 mm	2.8 mm, 3.6 mm	2.8 mm, 3.6 mm	6 mm	Fore Sight: 2.1 mm Back Sight: 2.1 mm	6 mm	1 mm
IR Range	10 m	10 m	15 m	15 m	3 m	5 m	-	-
Angle Adjustment	Pan: 0° - 60°; Tilt: 0° - 50°; Rotation: 0° - 360°	Pan: -7° to 7°; Tilt: -7° to 15°; Roll: 0° to 360°	Horizontal: -12° to 12°, vertical: -15° to 75°, rotate: 0 to 360°	Tilt: 0° to 90°	52° (H) 28° (V) 60.5°(D)	-	Tilt: 0° to 65°	202° (H) 123° (V)
Operating Temperature	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)	-30 °C to 75 °C (-22 °F to 167 °F)	-40 °C to 75 °C (-40 °F to 167 °F)
Operating Humidity	90 % or less (non-condensing)	90 % or less (non-condensing)	90 % or less (non-condensing)	90 % or less (non-condensing)	90 % or less (non condensing)	90 % or less (non-condensing)	90 % or less (non-condensing)	90 % or less (non condensing)
Audio In	(S): Built-in Microphone	-	Built-in Microphone	-	-	Built-in Microphone	-	-
Audio Out	1-ch, Aviation Port (Output Impedance: 1KΩ±10%)	-	1-ch, Aviation Port (Output Impedance: 1KΩ±10%)	-	-	1-ch, 4 pin Din Connector or Aviation Port (Output Impedance: 1KΩ±10%)	-	-
Frame Rate	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps
Power Supply	9 to 16 VDC	9 to 16 VDC	9 to 16 VDC	9 to 16 VDC	9 to 16 VDC	9 to 16 VDC	6 to 16 VDC	9 to 16 VDC

Mobile Onboard Video System

Network Camera

- Real-time HD video monitoring
- Indoor / outdoor housing
- Up to 6MP @ 30 fps
- H.265+ / H.265 / H.264+ / H.264 / MJPEG video compression
- Up to 30 m IR range
- RJ45, M12 interfaces
- Anti-vibration

Model	DS-2XM6825G0/C-IV(S)(M)(M/ND)	AE-VC1B1I-ISF	AE-VC583I-IS	AE-VC215I-ISF	DS-2XM672(5)6G1-I(D)(S)(M)(/ND)
Image	HOT	HOT	HOT	NEW	HOT
Image Sensor	1/2.8" Progressive Scan CMOS	1/4 " high-speed global shutter image sensor	1/2.7" Progressive Scan CMOS	1/2.8"CMOS Progressive Scan	DS-2XM6726G1-I(D)(S)(M)(/ND): 1/2.8" Progressive Scan CMOS DS-2XM6756G1-I(D)(S)(M)(/ND): 1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1200	1280 × 720	2560 × 1920	1920×1080	DS-2XM6726G1-I(D)(S)(M)(/ND): 1920 × 1080 DS-2XM6756G1-I(D)(S)(M)(/ND): 2560 × 1920
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/ MJPEG	H.265+/H.265/H.264+/H.264	H.265/H.264	H.265+/H.265/H.264+/H.264
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON) 0.007 Lux @ (F2.25, AGC ON)	0.00 Lux@ (F1.2, AGC ON)	0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	DS-2XM6726G1-I(D)(S)(M)(/ND): 0.01Lux @ (F1.6, AGC ON) DS-2XM6756G1-I(D)(S)(M)(/ND): 0.01 Lux @ (F1.6, AGC ON)
WDR	Digital WDR	120 dB	120 dB	105 dB	120 dB
Lens	2 mm	6 mm	8 mm/12 mm/16 mm fixed lens	2mm/2.8mm/4mm	2.0 / 2.8 / 4 / 6 / 8 mm
FOV	108° (H), 84° (V), 117.5° (D)	54° (H), 31° (V), 62° (D)	8 mm, 37° (H), 28° (V), 46° (D) 12 mm, 28° (H), 10° (V), 30° (D) 16 mm, 17° (H), 13° (V), 22° (D)	2mm: Horizontal FOV: 132°, Vertical FOV: 77°, Diagonal FOV: 152° 2.8mm: Horizontal FOV: 105°, Vertical FOV: 56°, Diagonal FOV: 126° 4mm: Horizontal FOV: 87°, Vertical FOV: 44°, Diagonal FOV: 104°	DS-2XM6726G1-I(D)(S)(M)(/ND): 2 mm, 132° (H), 77° (V), 152° (D) 2.8 mm, 105° (H), 56° (V), 126° (D) 4 mm, 87° (H), 44° (V), 104° (D) 6 mm, 53° (H), 28° (V), 62° (D) 8 mm, 41° (H), 23° (V), 46° (D) DS-2XM6756G1-I(D)(S)(M)(/ND): 2 mm, 122° (H), 93° (V), 152° (D) 2.8 mm, 95° (H), 69° (V), 126° (D) 4 mm, 78° (H), 55° (V), 105° (D) 6 mm, 49° (H), 35° (V), 63° (D) 8 mm, 37° (H), 28° (V), 46° (D)
Max. IR Range	3 m	10 m	30 m	3 m	30 m
Smart Event	Counts people entering and exiting separately	Distraction Prompt Detection, Fatigue Driving (Closing Eyes), IR Interrupting Sunglasses Detection, Tampering Detection, Seatbelt Unbuckled Detection, Fatigue Driving (Yawn) Detection, Driver Exception Detection, Tampering Detection	-	-	Line crossing detection, Intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, object detection: detects faces and upload images defocus detection
Frame Rate	50 Hz: 25 fps (1920 × 1200) 60 Hz: 30 fps (1920 × 1200)	Main Stream: 60 Hz: 30 fps (1280 × 720); Sub-Stream: 60 Hz: 30 fps (704×576, 640×480, 352×288, 320×240) Third Stream: 60 Hz: 30 fps (1280 × 720)	Main Stream: 50 Hz: 25 fps (2560 × 1920, 1920 × 1080, 1280 × 720); 60 Hz: 30 fps (2560 × 1920, 1920 × 1080, 1280 × 720) Sub-Stream: 50 Hz: 25 fps (704 × 576, 640 × 480) ; 60 Hz: 30 fps (704 × 480, 640 × 480) Third Stream: 50 Hz: 25 fps (1280 × 720)	P (50Hz): 25 fps N (60Hz): 30 fps Default 25 fps	DS-2XM6726G1-I(D)(S)(M)(/ND): 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) DS-2XM6756G1-I(D)(S)(M)(/ND): Third Stream ON: 50 Hz: 25 fps (2560 × 1920, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) Third Stream OFF: 50 Hz: 25 fps (2560 × 1920, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1920, 1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	2	3	3	2	3
Protection Level	IP66, IK08	-	IP68, IP69K, IK10	IP66	IP67, IK10
Angle Adjustment	Pan: 0°, Tilt: 0° to 25°, Rotate: 0°	Left and Right: -43° to 43°; Front and Back: -43° to 67°; Horizontal: 0° to 360°	Tilt: -25° to 55°	Pan: -50°-+50° Tilt: 0-60°	DS-2XM6726G1-I(D)(S)(M)(/ND): Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360° DS-2XM6756G1-I(D)(S)(M)(/ND): Pan: -30° to 30°, Tilt: 0° to 75°, Rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 75 °C (-22 °F to 167 °F)	-30 °C to 75 °C (-22 °F to 167 °F)	-30°C to 75°C (-22°F to 167°F)	-30 °C to 75 °C (-22 °F to 167°F)
Operating Humidity	95 % or less (non-condensing)	90 % or less (non-condensing)	95 % or less (non-condensing)	95% or less (non-condensing)	95 % or less (non-condensing)
Local Storage	256 GB	256 GB	eMMC 8 GB	256GB	256 GB
Audio I/O	1 built-in microphone-IVS: 1 input (line in, two-core terminal block), 1 output (two-core terminal block)	1 audio in, 1 audio out	-	Built-in microphone	Built-in microphone
Alarm I/O	2 in, 2 out	-	-	N/A	-
Installation	Indoor	Indoor	Outdoor	Indoor	Indoor
Power Supply	9 to 36 VDC, PoE (802.3af 36 V to 57 V)	9 to 36 VDC None PoE	DC: 9 to36 V & PoE 802.3 af, 36 to 57 V	RJ45 (9-36 V), M12 (802.3af, 36-57 V)	9 to 36 VDC, PoE (802.3af 36 V to 57 V)

Model	DS-2XM6122G1-I(D)(M)(/ND)	DS-2XM6222G1-I(D)(M)(/ND)	DS-2XM652(4)2G1-I(D)(M)(/ND)	DS-2XM6365G0-IV(S)(M)(/ND)
Image	HOT		HOT	HOT
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	DS-2XM6522G1-I(D)(M)(/ND): 1/2.8" Progressive Scan CMOS DS-2XM6542G1-I(D)(M)(/ND): 1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	DS-2XM6522G1-I(D)(M)(/ND): 1920 × 1080 DS-2XM6542G1-I(D)(M)(/ND): 2560 × 1440	3072 × 2048
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	0.01Lux @ (F1.6, AGC ON)	0.01Lux @ (F1.6, AGC ON)	0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR	0.01 lux @ (F1.2, AGC ON), 0.001 lux @ (F1.2, AGC ON), 0 lux with IR
WDR	120 dB	120 dB	120 dB	Digital WDR
Lens	4 / 6 mm	2.8 / 4 / 6 mm	2.8 / 4 / 6 mm	DS-2XM6365G0-IV(S)(M)(/ND): 1.27 mm
FOV	4 mm, 87° (H), 44° (V), 104° (D) 6 mm, 53° (H), 28° (V), 62° (D)	2.8 mm, 105° (H), 56° (V), 126° (D) 4 mm, 87° (H), 44° (V), 104° (D) 6 mm, 53° (H), 28° (V), 62° (D)	DS-2XM6522G1-I(D)(M)(/ND): 2.8 mm, 105° (H), 56° (V), 126° (D) 4 mm, 87° (H), 44° (V), 104° (D) 6 mm, 53° (H), 28° (V), 62° (D) DS-2XM6542G1-I(D)(M)(/ND): 2.8 mm, 101° (H), 54° (V), 120° (D) 4 mm, 83° (H), 42° (V), 100° (D) 6 mm, 51° (H), 27° (V), 60° (D)	Horizontal FOV 180° (wall mount), 360° (ceiling mount), 360° (table mount)
Max. IR Range	10 m	10 m	30 m	Up to 15 m IR range, 3 LEDs. Each LED is independently controlled.
Smart Event	Line crossing detection, Intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, object detection: detects faces and upload images Scene change detection,defocus detection	Line crossing detection, Intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, object detection: detects faces and upload images Scene change detection,defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exit detection, unattended baggage detection, object removal detection,Scene change detection, defocus detection,object detection	Line crossing detection, intrusion detection,region entrance detection, region exiting detection, unattended baggage detection,object removal detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	DS-2XM6522G1-I(D)(M)(/ND): 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280×720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280×720) DS-2XM6542G1-I(D)(M)(/ND): 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60 Hz: 30 fps (3072 × 2048, 2048 × 2048, 1280 × 1280)
Multi-Streaming	3	3	3	2
Protection Level	IP66, IK08	IP68	IP68, IK10	IP66, IK10
Angle Adjustment	Pan: -30° to 30°, tilt: 0° to 80°, rotate: 0° to 360°	Pan: -20° to 20°, tilt: -15° to 25°	2.8 mm:-15° to 15°, tilt: 15° to 30°, rotate: -90° to 90° 4 mm/6 mm:Pan: -15° to 15°, tilt: 0° to 30°, rotate: -90° to 90°	-
Operating Temperature	-30 °C to 75 °C (-22 °F to 167°F)	-30 °C to 75 °C (-22 °F to 167 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95 % or less (non-condensing)	95 % or less (non-condensing)	95 % or less (non-condensing)	95 % or less (non-condensing)
Local Storage	256 GB	256 GB	-	256 GB
Audio I/O	Built-in microphone	-	-	1 audio in (line in), 1 audio out (line out), 2 built-in microphones
Alarm I/O	-	-	-	1 in, 1 out
Installation	Indoor	Outdoor	Outdoor	Indoor
Power Supply	9 to 36 VDC, PoE (802.3af 36 V to 57 V)	9 to 36 VDC, PoE (802.3af, 36 V to 57 V)	9 to 36 VDC, PoE (802.3af, 36 V to 57 V)	24 VDC, 36-57 VDC, PoE (802.3af)

Mobile Onboard Video System

Dashboard Camera

Hikvision's Dashboard Camera supports live view, footage playback, and parameter configuration on the mobile app. In addition to video monitoring, the AE-DI2032-G40 dashboard camera supports driver facial recognition and driving abnormal detection and it can be used in taxis, police cars, trucks, and more.

- Built-in GPS, Wi-Fi, 4G mobile technology (optional)
- Direct linkage with mobile app via Wi-Fi
- TF card with maximum 256 GB
- Built in gyro for collision trigger emergency recording
- AE-DI2032-G40 Dashboard Camera supports front-end driver facial-recognition attendance and dynamic auditing as well as driving behavior detection, such as such as seatbelt unbuckled detection, fatigue driving, etc.

Industry Dash camera

Dash Camera

Model	AE-DI2032-G40	AE-VC143T-ITS	AE-VC154T-IT	AE-DC2015-B1	AE-DC2018-K2
Image	NEW		HOT		NEW
Image Sensor	1/2.7" 2-megapixel CMOS sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Resolution	1080P	720 P	720 P	1080 P	1080 P
Min. Illumination	0.01 Lux/F1.2	0.1 Lux@ (F1.2,AGC ON)	0 Lux with IR	-	-
Lens	2.1mm	2.1 mm	6 mm	-	-
IR Range	-	5 m	3 m	-	-
FOV	127° (H), 73° (V)	125° (H), 80° (V), 148° (D)	52° (H), 28° (V), 60.5° (D)	166° (D), 123° (H)	122° (D), 102° (H)
Operating Temperature	-20°C to 60 °C	-40 °C to 75 °C (-40 °F to 167 °F)	-40 °C to 75 °C	-20 °C to 70 °C	-20 °C to 70 °C (-4 °F to 158 °F)
Operating Humidity	95 % or less (non-condensing)	90 % or less (non-condensing)	90 % or less (non-condensing)	95 % or less (non-condensing)	0 % to 95 %
Audio In	Built-in Microphone	Built-in Microphone	-	Built-in Microphone	Built-in Microphone
Frame Rate	25 fps	25 fps	25 fps	25 fps	1080 P@30 fps
Power Supply	10V-16V/1.5A 20V-36V/1.5A	9 to 16 V DC	9 to 16 V DC	5 V DC 1 A	5 V DC 1.5 A
Application Tips	-	Normally working with AE-DI2032-G40	The BMW head type normally working with AE-DI2032-G40	-	-
Smart Event	Advanced Driving Assistance System (ADAS) Driver Status Monitoring (DSM)	Supports detection of driver absent minded, tampering cameras (Working with AE-DI2032-G40)	The BMW head type supports object capturing,recognition and uploading (Working with AE-DI2032-G40)	-	-
Communication module	Wi-Fi, 4G	-	-	Wi-Fi	Wi-Fi
Sensor	GPS, Gyroscope	-	-	G-sensor	G-sensor
Storage	Dual 2TF Card(up to 256GB for each)	-	-	TF card, Max. 128 GB	TF card, 16 GB to 128 GB

Model	AE-DC4328-K5	AE-DC5316-C6(Pro)	AE-DC5113-F6S	AE-DC4928-N6PRO	AE-DC8322-G2PRO(GPS)
Image	HOT		HOT	HOT	NEW
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	GC4653 (Front) / GC2053 (Rear)	Progressive Scan CMOS
Resolution	Front camera resolution 1440 P (2560 × 1440) Rear camera resolution 1080 P (1920 × 1080)	1600 P	1600 P	Front: 1440 P (2560 × 1440) Rear: 1080 P (1920 × 1080)	Front: 2160 P@30 fps/1080 P@60 fps Rear: 1080 P@25 fps
Min. Illumination	-	-	-	-	-
Lens	-	-	-	-	-
IR Range	-	-	-	-	-
Angle Adjustment	Front camera 123° (D), 105° (H), 56° (V) Rear camera 125° (D), 110° (H), 62° (V)	130° (D), 106° (H)	130° (D), 106° (H)	Max. Angle of Front Lens 123° (D), 105° (H),56° (V) Max. Angle of Rear Lens 124° (D), 102° (H),53° (V)	135° (D), 124° (H)
Operating Temperature	-20 °C to 70 °C (-4 °F to 158 °F)	-20 °C to 70 °C	-20 °C to 70 °C	0 °C to 45 °C (32 °F to 113 °F)	-20 °C to 65 °C (-4 °F to 158 °F)
Operating Humidity	0 % to 95 %	95 % or less (non-condensing)	95 %	20 % to 70 %	0 % to 95 %
Audio In	Built-in Microphone	Built-in Microphone	Built-in Microphone	Built-in Microphone	Built-in Microphone
Frame Rate	When not pulling back: Front: 2160 P@30 fps, 1440 P@30 fps, 1080 P@30 fps When pulling back: Front: 1440 P@30 fps, 1080 P@30 fps Rear: 1080 P@25 fps	1600 P@30 fps, 1600 P@25 fps; 1440 P@30 fps, 1440 P@25 fps; 1080 P@60 fps, 1080 P@30 fps, 1080 P@25 fps	1600 P@30 fps, 1600 P@25 fps 1440 P@30 fps, 1440 P@25 fps 1080 P@30 fps, 1080 P@25 fps 1080 P@60 fps	-	2160 P@30 fps+1080 P@25 fps 1080 P@60 fps+1080 P@25 fps
Power Supply	5 V DC 2 A	5 V DC 2 A	5 V DC 2 A	5 V DC 2 A	5 V DC 2 A
Application Tips	3 inches touch screen (854 × 480)	Built-in 3 inch display screen	2 inches touch screen	9.35 inch 720P, (1280 × 320)	3 inch touch screen, Resolution: 960 × 480.
Smart Event	-	ADAS: Voice reminder of traffic light status change, front car movement, and speed limit signs	ADAS: Voice recognition, Traffic light turn green, Speed limit recognition, Front car start remind.	-	ADAS: Voice reminder of traffic light status change, front car movement, and speed limit signs
Communication module	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi, Bluetooth
Sensor	G-sensor	G-sensor, GPS	G-sensor, GPS	G-Sensor	G-sensor, GPS
Storage	TF card, 16GB to 256 GB	TF card, Max. 256 GB	TF card, Max. 256 GB	TF card, 16 GB to 128 GB	eMMC: 64 GB, TF Card: 32 GB to 256 GB

Mobile Onboard Video System

Digital Video Recorder

MDVRs offer a cost-effective and professional onboard video monitoring solution. It adopts an all-in-one design(TVI/AHD/CVBS) to offer more choices for customers, and H.265 Pro compression technology with power encoding ability.

- Real-time HD video monitoring
- Pluggable 3G/4G or Wi-Fi module transmission
- Vehicle location and trajectory tracking via GPS
- Hard disk box design, adopting hard disk vibration damping technology
- Power-off protection prevents key data from loss
- Shutdown delay (0 hour to 6 hours) and 24-hour scheduled startup/ shutdown
- Supports software-based firewall
- Wide-range power input
- Supports intelligent functions: Driver Status Monitoring/ Advanced Driving Assistance System/ Blind Spot Detection

Digital Video Recorder

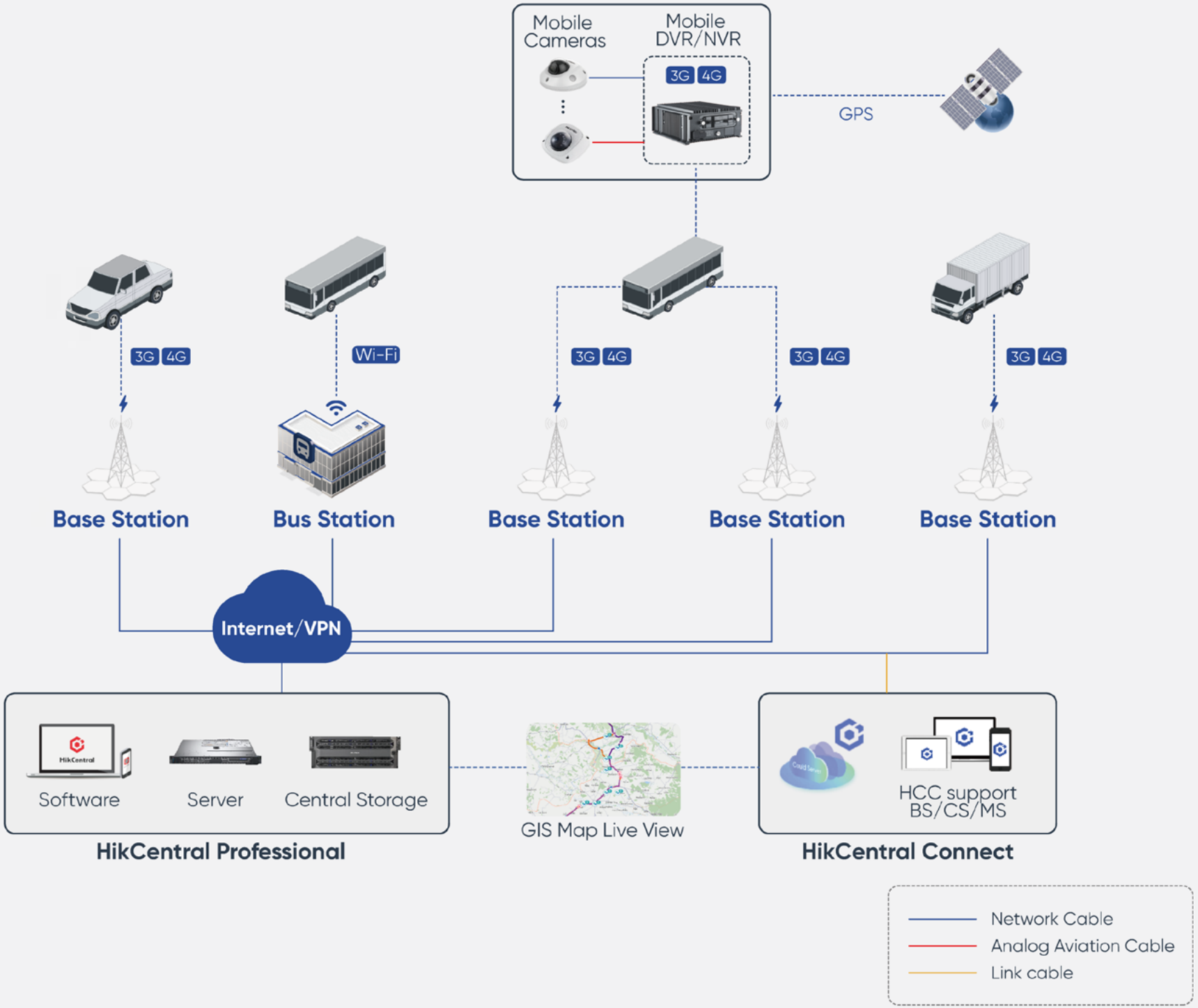
Model	AE-MD5043-SD	AE-MD5043	DS-MP7608	AE-MH0408
Image	HOT	HOT	HOT	HOT
Video Input	4-ch TVI/AHD/CVBS (Aviation)	4-ch TVI/AHD/CVBS (Aviation)	8-ch TVI/AHD/CVI/CVBS (Aviation)	4-ch TVI/AHD/CVBS (Aviation)& 8-ch IPC (PoE RJ45 / PoE M12)
Two-Way Audio	1-ch, G.711,G.722	1-ch, G.711, G.722	1-ch, G.722	1-ch, G.711,G.722
Video Output	1-ch CVBS	1-ch CVBS output 1-ch VGA output	2-ch CVBS video output 1-ch VGA video output	1-ch CVBS output 1-ch VGA output
Video Compression	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265
Max Resolution	Main stream: 1080 P sub-stream: 720 P	Main stream: 1080 P Sub-Stream: 720 P	Main stream: 1080 P Sub-stream: 720 P	Main stream: 1080 P Sub-Stream: 720 P
Frame Rate	PAL: 1 to 25 fps @ 1080 P; NTSC: 1 to 30 fps @ 1080 P; PAL: 1 to 25 fps @ 720 P; NTSC: 1 to 30 fps @ 720 P	PAL: 1 to 25 fps @ 1080 P; NTSC: 1 to 30 fps @ 1080 P; PAL: 1 to 25 fps @ 720 P; NTSC: 1 to 30 fps @ 720 P	PAL: 1 to 25 fps @ 1080 P; NTSC: 1 to 30 fps @ 1080 P	PAL: 1 to 25 fps @ 1080 P; NTSC: 1 to 30 fps @ 1080 P; PAL: 1 to 25 fps @ 720 P; NTSC: 1 to 30 fps @ 720 P
Storage	2 × SD cards, up to 512 GB for each card	2 × 2.5 inch HDD/SSD, each up to 2 TB 1 × SD card, up to 256 GB	2 × 2.5 inch HDD/SSD, up to 2 TB 1 × SD card slot, up to 256 GB	2 × 2.5 inch HDD/SSD, each up to 2 TB 1 × SD card, up to 256 GB
3G/4G Dialing	3G/4G (optional)	3G/4G/5G (optional)	3G/4G/5G (optional)	3G/4G/5G (optional)
Wi-Fi	2.4GHz / 5GHz (optional)	2.4GHz / 5GHz (optional)	2.4GHz / 5GHz (optional)	2.4GHz / 5GHz (optional)
GNSS (Global Navigation Satellite System)	GPS / GLONASS	GPS / GLONASS	GPS / GLONASS	GPS / GLONASS
Network Interface	1 × 10 M/100 M RJ45 Ethernet interface	Front panel :1 ×10 M/100 M RJ45 Rear panel: 1 × 10 M/100 M M12 6-pin aviation connector	1 × 10 M/100 M RJ45 Ethernet interface	Front panel: 1 ×10 M/100 M RJ45 Rear panel: 1 × 10 M/100 M RJ45
Serial Port/CAN	1 × RS-232, 1 × RS-485	2 × RS-232, 1 × RS-422 (integrated in EXT.DEV interface)	3 × RS-232, 2 × RS-485, 1 × RS-422, 2 × CAN	2 × RS-232, 1 × RS-485, 1 × RS-485 (integrated in EXT.DEV interface)
USB Interface	Front panel: 1 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 of 5-pin aviation connector	Front panel: 1 × USB 2.0 and 1 × USB 3.0 Rear panel: 1 × USB 2.0 of 5-pin aviation plug	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 (5-pin aviation connector)
Sensor-in	4 high/low level signal inputs	4 high/low level signal inputs	4 high/low level signal inputs	4 high/low level signal inputs
Alarm Input/Output	4/2	4/2	4/2	4/2
AI	-	ADAS+DSM(Baseline) BSD(Customized)	-	ADAS+DSM(Baseline) BSD(Customized)
Power Supply	9 to 32 VDC	9 to 36 VDC	9 to 32 VDC	9 to 36 VDC
Consumption	Standby: ≤ 0.5 W Full load: ≤ 45 W Note: Without peripheral and storage media ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 45 W Note: Without peripheral and storage media ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 99 W Note: Without peripheral and storage media: ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 75 W Note: Without peripheral and storage media: ≤ 20 W
Working Temperature	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 60 °C (14 °F to 140 °F)
Working Humidity	10 % to 95 %	10 % to 95 %	10 % to 95 %	10 % to 95 %
Dimensions (W × D × H)	184 × 133.9 × 44 mm (7.24 × 5.27 × 1.73 inch)	206 × 225.4 × 60.1 mm (8.11 × 8.87 × 2.37 inch)	202 × 267.6 × 93.9 mm (7.95 × 10.53 × 3.70 inch)	202 × 267.6 × 93.9 mm (7.95 × 10.5 × 3.7 inch)

Mobile Onboard Video System

Network Video Recorder

MNVRs offer professional onboard video storage with anti-vibration box design, power-off protection, and high heat-dissipation efficiency. Customers can choose MNVRs with different channel numbers, storage capacities, and functions based on specific needs.

- Pluggable 3G/4G or Wi-Fi module transmission
- Vehicle locating and tracking via GPS
- Anti-vibration hard disk box design
- Power-off protection prevents key data from loss
- key feature(+9 VDC to +32 VDC)


Mobile Cameras
Mobile DVR/NVR
3G 4G
GPS
3G 4G
Wi-Fi
3G 4G
3G 4G
3G 4G
Base Station
Bus Station
Base Station
Base Station
Base Station
Internet/VPN
Software
Server
Central Storage
HikCentral Professional
GIS Map Live View
HCC support BS/CS/MS
HikCentral Connect
Network Cable
Analog Aviation Cable
Link cable

Model	AE-MN5043	AE-MN5083	AE-MN7083	DS-MP3516-RH
Image	HOT	NEW	HOT	HOT
Video Input	4-ch IP (RJ45/M12 PoE interfaces)	8-ch IP (RJ45/M12 PoE interfaces)	8-ch IP (RJ45/M12 PoE interfaces)	32-ch IP via 8-pin M12 X-coding Ethernet interface. And 6-ch IP cameras via 6-pin aviation
Two-way Audio	1, ch G.711/G.722.1	G.711a/G.711u/G.722.1/G.726	1, ch G.711/G.722.1	1, ch G.711/G.722.1
Video Output	1-ch CVBS output 1-ch VGA output	1-ch CVBS output 1-ch VGA output	1-ch CVBS output 1-ch VGA output	1-ch CVBS output 1-ch VGA output
Video Compression	H.264, H.265	H.264, H.265	H.264, H.265	H.264, H.265
Max Resolution	Main stream: 2 MP Sub-stream: 720 P	Main stream: 1080P/720P/WD1/4CIF Sub-stream: 720P/WD1/4CIF/2CIF/CIF	Main stream: 2 MP Sub-Stream: 720 P	Main stream: 1080 P Sub-Stream: 720 P
Frame Rate	PAL: 1 to 25 fps; NTSC: 1 to 30 fps	PAL: 1 to 25 fps; NTSC: 1 to 30 fps	PAL: 1 to 25 fps; NTSC: 1 to 30 fps	PAL: 1 to 25 fps; NTSC: 1 to 30 fps
Storage	2 × 2.5 inch HDD/SSD. Up to 2 TB for each HDD/SSD 1 × SD card (stores data when HDDs/SSDs are damaged)	1 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD HDD/SSD data can be exported locally via this converter (optional) (Not for baseline. Note the HDD/SSD capacity when ordering) 1 × SD card, up to 256 GB (not for baseline. Note the SD card capacity when ordering)	2 × 2.5 inch HDD/SSD. Up to 2 TB for each HDD/SSD 1 × SD card (stores data when HDDs/SSDs are damaged)	6 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD
3G/4G Dialing	3G/4G/5G (optional)	3G/4G (optional)	3G/4G/5G (optional)	-
Wi-Fi	2.4GHz/5GHz (optional)	2.4GHz/5GHz (optional)	2.4GHz/5GHz (optional)	-
GNSS (Global Navigation Satellite System)	GPS/GLONASS	GPS/GLONASS	GPS/GLONASS	GPS/GLONASS
Network Interface	Front panel: 1 ×10 M/100 M RJ45 Rear panel: 1 × 10 M/100 M M12 6-pin aviation connector	Front panel :1 ×10M/100M RJ45 Rear panel: 1 × 10M/100M RJ45	Front panel :1 ×10 M/100 M RJ45 Rear panel: 1 × 10 M/100 M RJ45	1 × 10 M/100 M RJ45 Ethernet interface (for debugging)
Serial Port/CAN	1 × RS-232, 1 × RS-422 (integrated in EXT.DEV interface)	2 × RS-232(harness is optional). 1 × RS-485. 1 × RS-485 (integrated in EXT.DEV interface)	2 × RS-232(harness is optional), 1 × RS-485, 1 × RS-485 (integrated in EXT.DEV interface), 2× CAN	2 × RS-232, 1 × RS-422
USB Interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 (5-pin aviation connector)	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 (5-pin aviation connector)	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 of 5-pin aviation plug	1 × USB 3.0
Sensor-in	4 high/low level signal inputs	4 high/low level signal inputs	4 high/low level signal inputs	8 high/low level signal inputs
Alarm Input/Output	4/2	4/2	4/2	8/2
AI	-	-	-	-
Power Supply	9 to 36 VDC	9 to 32 VDC	9 to 32 VDC	60 to 160 VDC (110 VDC recommended) 18 to 60 VDC (48 VDC recommended)
Consumption	Standby: ≤ 0.5 W Full load: ≤ 45 W Note: Without peripheral and storage media ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 75 W Note: Without peripheral and storage media ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 75 W Note: Without peripheral and storage media: ≤ 20 W	Standby: ≤ 0.5 W Full load: ≤ 99 W Note: Without peripheral and storage media: ≤ 20 W
Working Temperature	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to +60 °C (+14 °F to +140°F)	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 60 °C (14 °F to 140 °F)
Working Humidity	10 % to 95 %	10% to 95%	10 % to 95 %	10 % to 95 %
Dimensions (W × D × H)	206 × 219 × 60 mm (8.1 × 8.62 × 2.36 inch)	184.4 × 190.05 × 63.2 mm (7.26 × 7.48 × 2.49 inch)	202 × 267.6 × 93.9 mm (7.95 × 10.5 × 3.7 inch)	482 × 284.3 × 89.5 mm (19.0 × 11.2 × 3.5 inch)

Mobile Onboard Video System

360° Surround View System

Hikvision's 360° Surround View Camera uses a panoramic image mosaic algorithm and image equalization algorithm to achieve perfect splicing of four channels of video feed, enabling 2D or 3D viewing angle switching. It can be used in buses, trucks, and other vehicles.

- Supports 4 channels of 1080P HD camera input
- 1080P HD camera features ultra-wide angle fisheye lens and IP69 water resistance
- 4-ch image stitching and 2D/3D mode switching
- Built-in TF card (16 to 128 GB)
- Supports HDTVI, AHD, CVBS output, can be directly connected to the screen or DVR

360° Surround View System

Model	AE-VE242A-A
Image	NEW
Video Input	4-ch, supporting HD 1080p
Video Output	AHD resolution: 1280×720, 1920×1080 TVI resolution: 1280×720, 1920×1080 CVBS resolution: 720×480(NTSC), 720×756(PAL)
Video Compression	-
Max Resolution	1080P
Frame Rate	-
Storage	Built-in TF card (16 to 128 GB);
View Angle	2D/3D
Path Line	Supports connection to vehicle CAN, supports static measuring line
Vision Range	Front-back: 3 m; left-right: 2 m
Protection Level	-
Power Supply	9 to 36 VDC
Consumption	Max. 10.5 W
Working Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Working Humidity	95% or less (non-condensing)
Dimensions (W × D × H)	168 mm × 136 mm × 30 mm (6.6" × 5.4" × 1.2")

360° Surround View System

Model	AE-VA133T-A	AE-VA236T
Image	NEW	NEW
Image Sensor	Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Resolution	720P	1080P
Min. Illumination	0.1 Lux@(F1.2,AGC ON)	0.01 Lux @ (F1.2, AGC ON)
Lens	1 mm	Fixed focal lens, 1mm
IR Range	-	-
Angle Adjustment	60 °	202° (H), 123° (V)
Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 75 °C (-40 °F to 167 °F)
Operating Humidity	90% or less (non-condensing)	90 % or less (non condensing)
Audio In	-	-
Frame Rate	25 fps	25 fps
Power Supply	4.5 to 5.5 VDC	9 to 16 VDC
Consumption	Max. 0.9 W	Max. 1.2W
Protection Level	IP68	IP68, IK10, IP69K
Dimensions (W × D × H)	56 mm × 56 mm × 57.4 mm (2.2" × 2.2" × 2.3")	74.8 mm × 48.2 mm × 41.7 mm (2.9" × 1.9" × 1.7")

Mobile Onboard Video System

Mobile Accessories

Mobile Accessories

Mobile LCD Monitor

Model	DS-MP1301	DS-MP1302	AE-MW1203
Image	HOT	HOT	NEW
Size	7" TFT-LCD	7" TFT-LCD	10" TFT-LCD
Resolution	800 × 480 RGB	800 × 480 RGB	1024 × 600
Backlight	LED	LED	LED
System	PAL/NTSC	PAL/NTSC	PAL/NTSC
Mobile DVR Video Output	1-ch. Four-pin aviation male plug, connecting to the mobile DVR.	1-ch. 2 × 7 plug, connecting to the mobile DVR.	-
Rear-View Camera Video Input	1-ch. Four-pin aviation male plug, connecting to the rear-view camera.	1-ch. Four-pin aviation male plug, connecting to the rear-view camera.	-
Alarm Input	2-ch	2-ch	2-ch
Working Voltage	12 V DC	12 V DC	12±5% VDC
Working Temperature	-20 °C to 70 °C (-4 °F to 158 °F)	-20 °C to 70 °C (-4 °F to 158 °F)	-20 °C to 60 °C (-4 °F-140 °F)
Working Humidity	10 % to 95 %	10 % to 95 %	10% to 80%
Protection Grade	IP54	IP54	-
Mounting Type	Embedded mounting; Bracket mounting	Embedded mounting; Bracket mounting	Embedded mounting; Bracket mounting
Touch Screen	-	Support	Support
IR Receiver	-	Support. For IR forwarding.	-

UPS

Model	DS-MP1742	DS-MP1741
Image		
Power Input	DC 8 to 36 V	DC 12 to 36 V
Power Supply	ACC ON: Voltage of Car battery ACC OFF: DC 7.5 V- 10.5 V, Rated voltage 9.6 V	When ACC ON: Voltage of Car battery When ACC OFF: DC 7.5 V- 10.5 V, Rated voltage 9.6 V
UPS Volume	1500 mAh, 15 Wh	7000 mAh, 67.2 Wh
Dimension	104.5 × 78 × 24 mm (4.11 × 3.07 × 0.94 inch)	201 × 150 × 42.5 mm (7.91 × 5.9 × 1.67 inch)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)	0 °C to 45 °C (32 °F to 113 °F)
Working Humidity	10 % to 95 %	10 % to 95 %

Fireproof Box

Model	DS-MP1431
Image	
Storage Medium	MLC
Erase Cycles	3000 times
Power Supply	5 V ± 5 %
Consumption	< 0.5 W (average)
Storage Connector	USB (Aviation connector)
Storage Capacity	64 G
Fire Resistance Time	15min @ 1100 °C 20min @ 950 °C 120min @ 260 °C
Water Proof	24 hour @100 m (10ATM)
High Speed Impact	100 Gs @50ms (All direction)
Static Squeeze	100 KN @5min (All direction)
Dimensions	122 × 88 × 57 mm (4.80 × 3.46 × 2.24 inch)
Weight	0.97 kg

Panic Button

Model	DS-1530HMI
Image	HOT
Power Supply	5 V DC 30 mA
Alarm	1 x Emergency button
Sensor	Built-in G-sensor
Remote Control	Built-in IR receiver
Serial Port	1 x RS232
Dimensions (W × D × H)	80 × 30 × 19 mm (3.15 × 1.18 × 0.75 inch)
Working Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Sampling Interval	100 ms

Intercom Box

Model	DS-1350HM
Image	
Audio Mode	Full-duplex
Speaker	< 2 Vpp Impedance: 600 Ω 1-ch built-in speaker.
MIC	< 1.2 Vpp Impedance: 1000 Ω 1-ch built-in MIC.
Frequency range	100 to 20000 Hz
Extension	Jack for 4-section headset
Working Voltage	12 V DC 30 mA
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)

Ethernet Switch

Model	AE-MS8400
Image	NEW
Network Interface	RJ45/M12 PoE port
External Interface	1 power status indicator, 1 POE full-load indicator, 8 peripheral link indicator and 8 POE indicator, RS232
Working Voltage	DC 9 to 36 V
Consumption	< 90 W (full-load)
Working humidity	10 % to 95 %
Working Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Dimensions (W×D×H)	242.8 × 127.0 × 57.0 mm (9.56 × 5.00 × 2.24")

Hikvision Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China
T +86-571-8807-5998
Business: overseasbusiness@hikvision.com
Technical Support: support@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Azerbaijan
T +994 50 369 81 57
Azerbaijan.CATC@hikvision.com

Hikvision Brazil
T +55-11-3318-0050
Latam.support@hikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

Hikvision Czech
T +420 29 6182640
info.cz@hikvision.com

Hikvision Egypt
T +20223066117
sales.eg@hikvision.com

Hikvision Europe
T +31 23 5542770
sales.eu@hikvision.com

Hikvision France
T +33(0)1 85 330 450
info.fr@hikvision.com

Hikvision Germany
sales.dach@hikvision.com

Hikvision Hong Kong , China
sales.hk@hikvision.com

Hikvision Hungary KFT
info.hu@hikvision.com

Hikvision India
T +91-22-6855 9944
sales@pramahikvision.com

Hikvision Indonesia
T +6221 2933 9366
Sales.Indonesia@hikvision.com

Hikvision Israel
T +972 79 5555590
sales.israel@hikvision.com

Hikvision Italy
T +39 0438 6902
info.it@hikvision.com

Hikvision Kazakhstan
T +7 (727) 291-75-88
support@hikvision.kz

Hikvision Kenya
wangchengbin@hikvision.com

Hikvision Korea
T +82-1661-8138
sales.korea@hikvision.com

Hikvision Malaysia
T +60327224000
sales.my@hikvision.com

Hikvision Mexico
T +52 55 2624 0110
sales.mexico@hikvision.com

Hikvision New Zealand
T 09 217 3127
salesnz@hikvision.com

Hikvision New Panama
Sales.centralamerica
@hikvision.com

Hikvision Pakistan
T +92-2135147526
support.pk@hikvision.com

Hikvision Philippines
support.ph@hikvision.com

Hikvision Poland
T +48 22 460 01 50
info.pl@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Romania
marketing.ro@hikvision.com

Hikvision Singapore
T +65 6684 4718
sg@hikvision.com

Hikvision South Africa
T +27 877018113
sale.africa@hikvision.com

Hikvision Spain
T +34 91 737 16 55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Thailand
sales.thailand@hikvision.com

Hikvision Turkey
T +90 216 521 70 70
support.tr@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision UK & Ireland
T +44(0)1628 902 140
info.uk@hikvision.com

Hikvision Uzbekistan
T +998-71-233-55-50
uzbekistan@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Vietnam
T +84 24 7300 7586
sale.vn@hikvision.com

Follow us on social media to get the latest product and solution information

Hikvision HikvisionHQ HikvisionOverseas Hikvision HikvisionHQ Hikvision Corporate Channel

HIKVISION

PRODUCT QUICK GUIDE

ONBOARD SECURITY VIDEO SYSTEM

January-June 2023

Distributed by

Follow us on social media to get the latest product and solution information

Hikvision

HikvisionOverseas

HikvisionHQ

Hikvision

HikvisionHQ

Hikvision Corporate Channel

www.hikvision.com

HIKVISION®