

LUIS Mobile Data Recorder 4 HD Professional

910440.V1

Data Sheet

Version: 1.0





PRODUCT OVERVIEW

- › supports 4 x AHD and 1 x IPC
- › supports HDD or SSD for the main recording (max. 2 TB)
- › supports GPS, WIFI and 4G
- › has a built-in 6-axis G-sensor
- › supports 1 x USB 2.0
- › Operating temperature: -40°C to +70°C
- › 8-36 V
- › supports data storage even during abnormal shutdowns
- › E-Mark, CE-Certificate, REACH, RoHS

APPLICATION PURPOSE

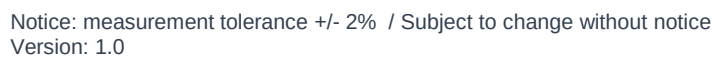
- › Preservation of evidence in the event of damage
- › Proof of provided services
- › Averting fraudulent claims for damage
- › Promotion of careful driving
- › Deterrence of theft
- › Location and live-connecting to vehicle from headquarters
- › Effective management of the vehicle fleet

DIMENSIONS

- › 220 x 188 x 55 mm (L x W x H)
- › weight: 1,9 kg

SCOPE OF DELIVERY

- › Mobile Data Recorder 4 HD Professional
- › integrated SATA hard disk 2.5" 1 TB
- › SD card 256GB
- › GPS, LTE and WiFi antenna
- › Power, serial cable and MDR transfer cable
- › Key and remote control



TECHNICAL SPECIFICATIONS MDR

VIDEO SPECIFICATIONS

Video Input	Supports 4 channel CIF/HD1/D1/720P/1080P AHD camera record and playback simultaneously
Video Output	4PIN aviation male connector
Video Display	Supports 1-5 CH
Video Standard	PAL/NTSC
Image Compression	H.264/H.265 main profile, PAL: 1080P (15FPS), 720P (25FPS) NTSC: 1080P (15FPS), 720P (30FPS)
Audio Input	4 channel
Audio Output	1 channel
Record mode	Audio and video are recording simultaneously
Image Format	CIF/ HD1/ D1/ 720P/ 1080P optional
Video Bitrates	CIF: 1536Kbps ~ 128Kbps HD1/D1: 2048Kbps ~ 400Kbps 720P: 4096Kbps ~ 400Kbps 1080P: 8096Kbps ~ 400Kbps
Video quality	8 levels image quality optional, 1 is the highest, 8 is the lowest
Video Compression	H.264/H.265
Audio Bitrates	40Kbps
Video input impedance	Each video input impedance: 75Ω
Video output voltage	2VP-P CVBS outputs an analog signal, a display device input need 75Ω impedance to adapt to it

MDR SPECIFICATIONS

Alarm input	6 alarm inputs (Low-level alarm: less than 1V, high-level alarm: up to 5V)
Alarm output	2 channel (12V DC)
Voltage output	2x Voltage output: 12V high-level, 5V high-level
1-wire	2x 1-wire
Analog input	2x analog input
RS485 port	1x RS485
RS232 port	2x RS232 + 1x debug RS232
Ethernet port	Supports 6PIN aviation interface: local network or IP camera
USB port	1x USB2.0, front panel USB
4G	Supports built-in 4G communication module (FDD-LTE/TDD/LTE) optional
Wi-Fi	Supports built-in WIFI communication module (2.4/5.8GHz optional)
GPS	Supports built-in GPS module
G-sensor	6-axis G-sensor (3-axis gyroscope + 3-axis accelerometer G-sensor)
Storage	Main storage: supports 1x 2.5-inch HDD or SSD; Max. 2TB Backup storage: supports 1x SD card, max. 256GB Upgrade: U disk/ SD card/ FTP remote batch upgrade File system: Special File System to secure data
PC Client playback	Playback video file in the PC client
VSS management software	Supports many functions by wireless network, such as video previewing, GPS Uploading, Alarm Uploading and Parameter Configuration
Upgrade	Supports upgrading via SD card or VSS platform

MECHANICAL SPECIFICATION

Housing	IP54
Weight	1,9 kg
Connector type	4 PIN male for AHD camera, 6 PIN male for IPC
Dimensions (L x W x H)	220 x 188 x 55 mm
Operating temperature	-40 °C to +70 °C
HDD heater	Supported

ELECTRICAL SPECIFICATIONS

Voltage	8-36V
Power output	12V (+/- 0.2V), the maximum electric current: 2A
Cold boot up time	<30 seconds
ACC detection	≤4V: take off ≥5V: take on
I/O Interface	≤4V: Low alarm ≥5V: High alarm

CERTIFICATIONS

ECE R10

CE

REACH (Declaration of conformity)

RoHS

SCOPE OF DELIVERY

Article	Name	Amount
910440.V1	LUIS Mobile Data Recorder 4 HD Professional	1
n/a	SATA HD 2.5" 1 TB	1
n/a	SD card 256GB	1
n/a	GPS antenna	1
n/a	LTE antenna	1
n/a	WiFi antenna	1
n/a	Power cable	1
n/a	Serial cable	1
900456	MDR transfer cable	1
n/a	Key	1
n/a	Remote	1

OEM ADAPTION AND ODM DEVELOPMENT

LUIS offers OEM services for various specific requirements, even in small series.

In addition, LUIS provide custom ODM services to our clients' specifications. Possibilities for ODM services range from modifying the camera or monitor housing with software programming (e.g., for monitor, app, client software) to a complete redesign of a camera-monitor system in accordance with your requirements.

In this case, ODM services is based on your requirements specification.

POSSIBILITIES AVAILABLE

- › Connector or open cable ends can be modified
- › Personalised cable lengths
- › Personalised customer logo or custom home screen
- › Custom overpackaging and/or operating manual

DISCLAIMER OF LIABILITY

All information contained in this installation and operating manual reflects the current standard of knowledge. LUIS Technology GmbH continuously reviews and updates this information and reserves the right to modify or amend the information provided. All due care notwithstanding, data may have been superseded since the time of its publication. We therefore cannot accept any liability for the currency, correctness or completeness of the information provided. It is the responsibility of each individual user to comply with all applicable legal provisions and to ensure that the products described herein are suitable for the intended purpose. Data and information provided in this installation and operating manual does not constitute a contractual warranty of the product features described. Any reproduction of information, texts, images or data is subject to the prior consent of LUIS Technology GmbH.

LUIS Technology GmbH
Hammer Deich 70
20537 Hamburg
Deutschland/Germany

Telefon: +49 (40) 89 72784-0
E-Mail: service@luis.de

www.luis.de