

VMC4 User Guide

LTE CAT4 ENABLED VEHICLE RECORDER

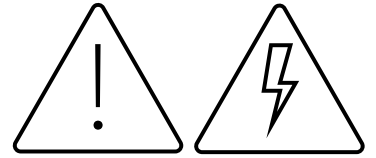


- Please ensure that you read and understand this USER GUIDE and use it before connecting and installing this Recorder.
- Please store the USER GUIDE in an easily accessible location.

Vision Unique Equipment Ltd

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Registered Office: 510 Metroplex, Broadway, Salford Quays. M50 2UE | Company Number: 03934325 | VAT: 757745680



SAFETY ADVICE

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK -

DO NOT REMOVE COVER.

NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Please make sure you follow the safety advice/instructions given in the user guide.

CAUTION:

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Battery for RTC(Real Time Clock) inside

CAUTION:

Install the product where it does not block driver's visibility and where there is no airbag installed. This could cause an accident or might injure passengers in case of accident

CAUTION:

Damages due to production malfunction, loss of data, or other damages occurring while using this product shall not be the responsibility of the manufacturer. Although the product is a device used for recording videos, the product may not save all videos in the case of a malfunction. In the case of an accident, the sensor may not recognize the shock when the impact is light and as a result it may not begin recording automatically.

WARNING:

TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR MOISTURE.

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CONTENTS



TX4000LE
Vehicle Recorder



Power Cable



Audio/Video out cable



Remote Controller
(with double sided tape)



Camera Input Cable



GPS Antenna module



LTE Antenna



Wire Splice clip and Screws

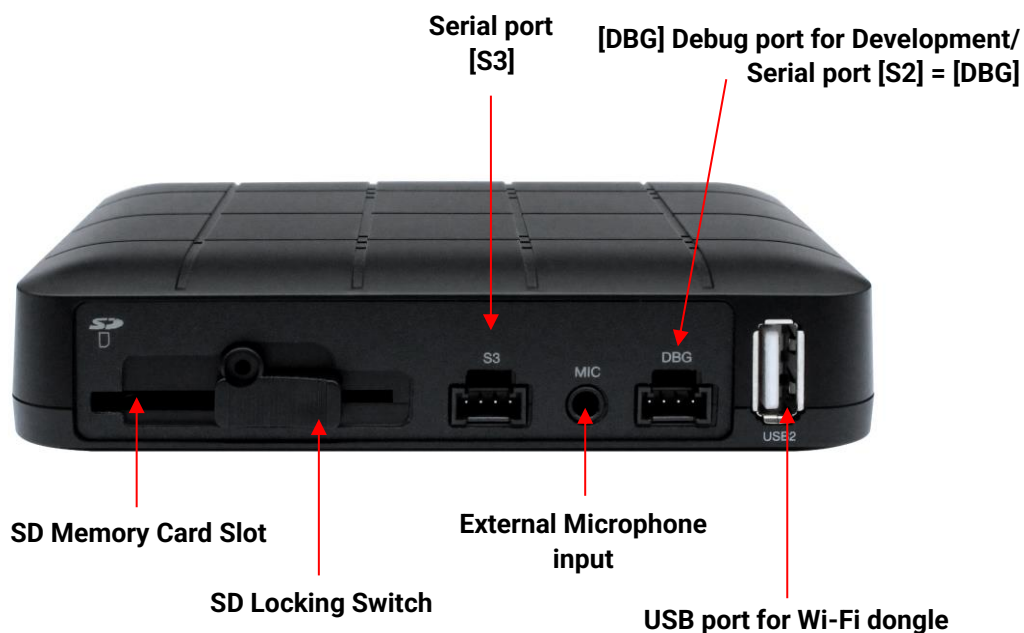


Mounting Bracket

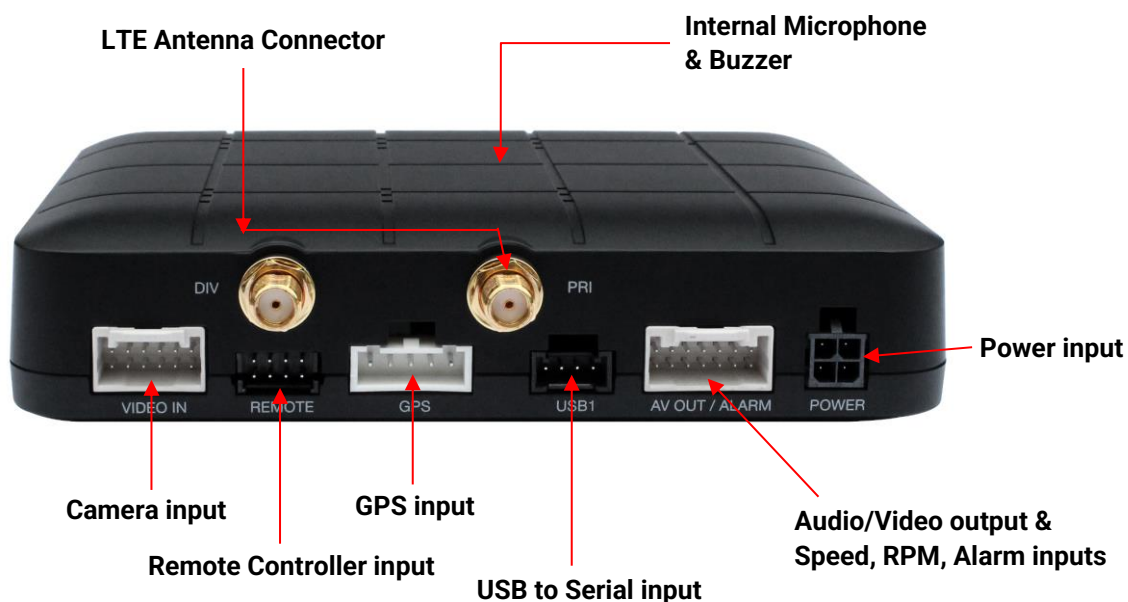
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FRONT



REAR

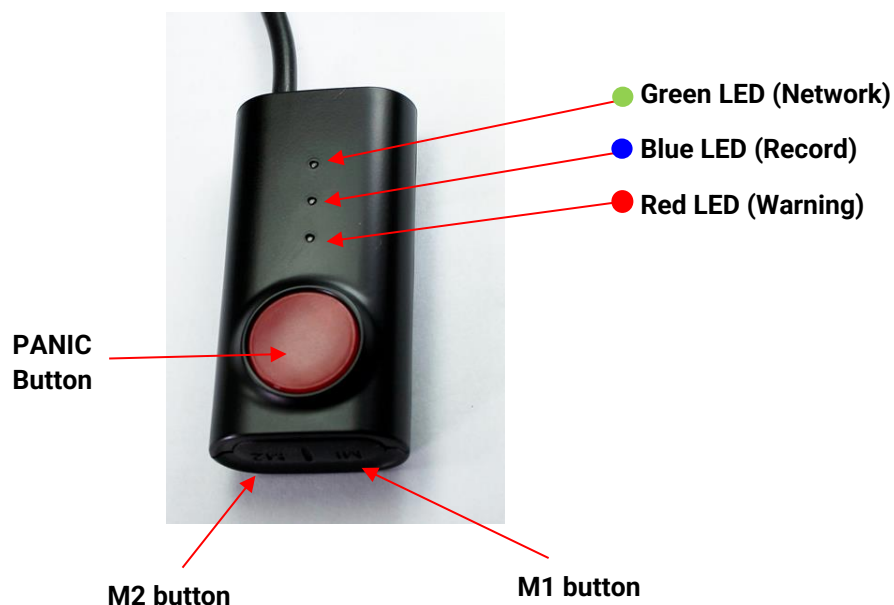


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REMOTE CONTROLLER



POWER CABLE

- Black (Ground)
- Red (Power Battery +)
- White (Power ACC +)

Alarm in/out Cable

- White (Alarm In1, Voltage on/off (3~70V))
- Purple (Alarm In2, Voltage on/off (3~70V))
- Green (Alarm In3, Voltage on/off (3~70V))
- Gray (RPM)
- Blue (Speed)
- Orange (Alarm in4, NC/NO), External panic button
- Brown (Alarm out), Low (0V) to High (5V)
- 3 x Black (Ground)

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LEDS & BUZZER SPECIFICATION

Status/Step			LED			Buzzer	Voice [Remark] To hear the Voice, please audio output cable to speaker.
			Warning	Record	Network		
			(Red)	(Blue)	(Green)		
							
Start-up Power off	Booting step1 (0~20)		On	Off	Off		
	Booting step2 (20~30)		On	On and Off	Off		
	Booting Finished (30, 1second)		On	On	On	[Beep] (1000Hz, 200msec)	「Beep」(1time)
	During Power off		Off	Simultaneous Flashing(Blink rate: fast)			
	Power off finished		Off	Off	Off	[Beep] [Beep] (500Hz, 150msec)	
Record	Continuous Record	Recording		On			
	Event record	Stand by		On			
		Recording		Flashing(Blink rate: fast)			
	Dual record	Continuous recording		On			
		Event recording		Flashing(Blink rate: fast)			
	No record	Not record		Off			
Network	3G Network Device Ready				On		
	Communication				On		
Function	SD Initialize (Format)		Off	On and Off	Off and On		(Beep, 1time) continuously
	G-Sensor Calibration						「Beep→(after 2 seconds) Beep、 Beep」
	FW Upgrade			On and On and Off and Off	Off and Off and On and On		
	Button Press					[Beep] (2000Hz, 200msec)	「Beep」
Warning	System Warning	SD Card Full	Flashing(Blink rate: fast)	Off			「Beep x 4」(3times)
		Video loss Video STD error	On				
Error	Record Error	SD error, No SD, Write fail	Flashing(Blink rate: Slow)	Off			「Beep x4」(3times)
	Network Error	3G Network Device error SIM error			Off		
		Data Network connection error			Flashing(Blink rate: Slow)		
		DMS communication error			Flashing(Blink rate: Slow)		
Event Trigger	G-Sensor, Panic Button, Alarm-In						「dingdong x2」(1time)
	Over Speed						「beep, beep x2」(1time)

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Operation – On Screen Display

The following displays can only be seen when a monitor is connected.

The default display is 2*2 with all cameras shown, to change, press [M2] button to select which camera to view. Each press will change the camera on display with the last option being all camera views.



4 Cameras (2x2)



Camera 1



Camera 2



Camera 3



Camera 4

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Specification

Video In	4CH 1080P or 720p AHD camera in
Audio In	1CH (Internal or External Microphone)
AV Out	1 Video out, 1 Audio out
Frequency Bands	LTE-FDD: B1/B3/B7/B8/B20/B28A LTE-TDD: B38/B40/B41 WCDMA: B1/B8
Data Rate(Mbps)	LTE-FDD: 150 (DL)/ 50 (UL)
Video resolution	1080p HD (1920x1080), 720P (1280x720), D1(NTSC:720x480, PAL 720x576)
Recording Speed	Full HD: 30fps(25fps), HD: 60fps(50fps) D1: Up to 120 fps (NTSC) or 100fps(PAL)
Recording Mode	Continuous , Event, Dual Mode
Memory	Support 32GB, 64GB(FAT32), 128GB(FAT32)
GPS/GLONASS	External GPS /GLONASS
G-Sensor	Internal 3-axis G-sensor
Gyro	3Axis(X,Y,Z), output rate:100 Hz,
RTC	Internal battery
Alarm In/Out	3 x Alarm In, 2 x Alarm Out
Remote controller	3x LED, Panic button, M1 & M2 button
LED	Green LED (Network), Blue LED (Record), Network (Red LED)

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Super Capacitor	Enable recording of last file and shut down
Power input	DC 12V/24V 3A
Delayed Power Shutdown	Supports Delayed Power Shutdown
Power consumption	Max. 36W
Size / Weight	120mm X 28mm X 90mm / 166g
Operation Temp.	-10°C~55°C

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Appendix Recording Timetable

DRV file size		Reserved space for overwriting	Space for Video / Audio (MB)				
hours	Size		16GB	32GB	64GB	128GB	256GB
24	106.8MB	300 MB	15,593	31,593	63,593	127,593	255,593
168	748 MB		14,952	30,952	62,952	126,952	254,952
240	1068 MB		14,632	30,632	62,632	126,632	254,632
336	1200 MB		14,500	30,500	62,500	126,500	254,500

resolution	quality	fps	16GB	32GB	64GB	128GB
FHD(1080P)1920x1080	Super	30	5hours	10hours	19hours	39hours
		1	21hours	44hours	90hours	167hours
	High	30	6hours	11hours	23hours	47hours
		1	25hours	52hours	106hours	167hours
	Standard	30	7hours	14hours	29hours	58hours
		1	31hours	63hours	129hours	167hours
HD(720P) 1280x720	Super	30	9hours	19hours	38hours	76hours
		1	39hours	80hours	163hours	167hours
	High	30	11hours	22hours	45hours	90hours
		1	45hours	93hours	167hours	167hours
	Standard	30	13hours	27hours	55hours	111hours
		1	53hours	110hours	167hours	167hours
D1 720x480	Super	30	13hours	27hours	55hours	111hours
		1	53hours	110hours	167hours	167hours
	High	30	17hours	35hours	71hours	144hours
		1	66hours	136hours	167hours	167hours
	Standard	30	24hours	50hours	101hours	167hours
		1	85hours	167hours	167hours	167hours

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