

DSM Data Sending Parameters ID

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DSM Camera configurable parameters

Table below consists of parameters which can be configured using FMC640 device.

Parameter name	Parameter ID		FMC650		Parameter values	Default values
	FMC640	COM1	COM2			
COM1 settings	151	151			49 - DSM	0
COM2 settings	173	173			46 - DSM	0
Drowsiness function	123000	1031000	1032000		0 - Disabled 1 - Enabled	0
Drowsiness event sound type	123001	1031001	1032001		[0-2]	0
Drowsiness event vibration	123002	1031002	1032002		0 - Disabled 1 - Enabled	0
Drowsiness event sensitivity	123003	1031003	1032003		1 - Least sensitive [1-3]	1
Working speed source	123004	1031004	1032004		0 - Global (same for all events) 1 - Individual	0
Distraction function	123005	1031005	1032005		0 - Disabled 1 - Enabled	0
Distraction event sound type	123006	1031006	1032006		[0 - 2]	0
Distraction event vibration	123007	1031007	1032007		0 - Disabled 1 - Enabled	0
Distraction event sensitivity	123008	1031008	1032008		1 - Least sensitive [1-3]	1
Phone function	123009	1031009	1032009		0 - Disabled 1 - Enabled	0
Phone event sound type	123010	1031010	1032010		[0 - 2]	0
Phone event vibration	123011	1031011	1032011		0 - Disabled 1 - Enabled	0
Phone event sensitivity	123012	1031012	1032012		1 - Least sensitive [1-3]	1
Smoking function	123013	1031013	1032013		0 - Disabled 1 - Enabled	0
Smoking event sound type	123014	1031014	1032014		[0 - 2]	0
Smoking event vibration	123015	1031015	1032015		0 - Disabled 1 - Enabled	0
Smoking event sensitivity	123016	1031016	1032016		1 - Least sensitive [1-3]	1
Yawning function	123017	1031017	1032017		0 - Disabled 1 - Enabled	0
Yawning event sound type	123018	1031018	1032018		[0 - 2]	0
Yawning event vibration	123019	1031019	1032019		0 - Disabled 1 - Enabled	0
Yawning event sensitivity	123020	1031020	1032020		1 - Least sensitive [1-3]	1
Measurement units	123021	1031021	1032021		1 - Metric 2 - Imperial	1
Event Sound level	123022	1031022	1032022		1 - lowest [1 - 4]	1
Working speed (global)	123023	1031023	1032023		[0 - 255] km/h or mi/h	0
Voice recording	123024	1031024	1032024		0 - Disabled 1 - Enabled	0
G-sensor sensitivity	123025	1031025	1032025		1 - lowest [1 - 5]	1
Log	123026	1031026	1032026		RESERVED 0 - Disabled 1 - Enabled	0
Recording ratio	123027	1031027	1032027		• 0 - 8:1:1 • 1 - 7:1:2 • 2 - 6:2:2 • 3 - 6:1:3 • 4 - 5:2:3 • 5 - 4:2:4 • 6 - 3:2:5 • 7 - 2:2:6 • 8 - 1:1:8 • 9 - 10:0:0 • 10 - 0:0:10	0
Video format	123028	1031028	1032028		0 - NTSC 1 - PAL	0
Automatic transmit (drowsiness)	123030	1031030	1032030		0 - Disabled 1 - Enabled	0
Camera block repeat alarm	123031	1031031	1032031		0 - Disabled 1 - Enabled	0
Automatic transmit (global)	123032	1031032	1032032		0 - Disabled 1 - Enabled	0
Automatic transmit (distraction)	123033	1031033	1032033		0 - Disabled 1 - Enabled	0
Automatic transmit (phone)	123034	1031034	1032034		0 - Disabled 1 - Enabled	0
Automatic transmit (smoking)	123035	1031035	1032035		0 - Disabled 1 - Enabled	0
HW switch	123036	1031036	1032036		RESERVED 0 - Disabled 1 - Enabled	0
Test mode	123038	1031038	1032038		RESERVED 0 - Disabled 1 - Enabled	0
Type of transmit	123039	1031039	1032039		RESERVED 0 - Snapshot 1 - Video	0

Timeout feature	123040	1031040	1032040	RESERVED 0 - Disabled 1 - Enabled	0
Working speed (drowsiness)	123041	1031041	1032041	[0 - 255] km/h or mi/h	0
Working speed (distraction)	123042	1031042	1032042	[0 - 255] km/h or mi/h	0
Working speed (yawning)	123043	1031043	1032043	[0 - 255] km/h or mi/h	0
Working speed (phone)	123044	1031044	1032044	[0 - 255] km/h or mi/h	0
Working speed (smoking)	123045	1031045	1032045	[0 - 255] km/h or mi/h	0
File upload server domain	123046	1031046	1032046	Max. 55 characters	""
File upload server port	123047	1031047	1032047	[0 - 65535]	0
Periodic image sending function	123048	1031048	1032048	0 - Disabled 1 - Enabled	0
Periodic image sending interval	123049	1031049	1032049	[60 - 3600] seconds • 0 (0x0000) - None • 1 (0x0001) - DIN1 • 2 (0x0002) - DIN2 • 4 (0x0004) - DIN3 • 8 (0x0008) - DIN4 • 16 (0x0010) - Crash • 32 (0x0020) - Towing • 64 (0x0040) - Idling • 128 (0x0080) - Geofence • 256 (0x0100) - Unplug (ignition) • 512 (0x0200) - Green driving	600
Image sending trigger	123050	1031050	1032050		0

DSM I/O elements

Parameter name	AVL ID		Parameter ID	Parameter values
	FMC640	FMC650		
Drowsiness	11700	COM1 - 11700 COM2 - 12923	123200	Driver drowsiness event 0 - Inactive 1 - Detected
Distraction	11701	COM1 - 11701 COM2 - 12924	123210	Driver distraction event 0 - Inactive 1 - Detected
Yawning	11702	COM1 - 11702 COM2 - 12925	123220	Driver yawning event 0 - Inactive 1 - Detected
Phone	11703	COM1 - 11703 COM2 - 12926	123230	Driver phone event 0 - Inactive 1 - Detected
Smoking	11704	COM1 - 11704 COM2 - 12927	123240	Driver smoking event 0 - Inactive 1 - Detected
Driver absence	11705	COM1 - 11705 COM2 - 12928	123250	Driver absence event 0 - Inactive 1 - Detected
Mask	11706	COM1 - 11706 COM2 - 12929	123260	Driver mask event 0 - Inactive 1 - Detected
G-sensor	11707	COM1 - 11707 COM2 - 12930	123270	G-sensor event 0 - Inactive 1 - Detected
Active driver name	11708	COM1 - 11708 COM2 - 12931	123280	Max. 10 characters
Recording status	11709	COM1 - 11709 COM2 - 12932	123290	Camera recording status 0 - None 1 - Recording (mic off) 2 - Recording (mic on)
GPS status	11710	COM1 - 11710 COM2 - 12933	123300	Camera GPS status 0 - None 1 - Connected (no data) 2 - Connected (valid data)
Speed	11711	COM1 - 11711 COM2 - 12934	123310	Vehicle speed according to camera [0 - 255] km/h or mi/h Sum of individual error values • (0x00 - no error) • Bit 0 (0x01) - Camera fail (0: none, 1: active) • Bit 1 (0x02) - GPS fail (0: none, 1: active) • Bit 2 (0x04) - CAN fail (0: none, 1: active) • Bit 4 (0x10) - Camera blocked (0: none, 1: active) • [0x00 - 0x17]
Error code	11712	COM1 - 11712 COM2 - 12935	123320	COM1 - 1031520 COM2 - 1032520
Seatbelt	11713	COM1 - 11713 COM2 - 12936	123330	COM1 - 1031530 COM2 - 1032530 Seatbelt reminder status 0 - Inactive 1 - Detected
State	11714	COM1 - 11714 COM2 - 12937	123340	COM1 - 1031540 COM2 - 1032540 Camera state 0 - unknown 1 - ready 2 - no communication 3 - updating firmware 4 - downloading snapshot 5 - uploading files to the server 6 - rebooting 7 - remounting SD