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Technical Documentation

AiM SmartyCam 3 GP | Motorsport Camera

TD

memotec GmbH
Bauwaldstrasse 1
D-75031 Eppingen

+49.7260.920440
info@me-mo-tec.de

www.me-mo-tec.de

Description AiM SmartyCam 3 GP

The new SmartyCam 3 GP is the ultimate full HD motorsport camera with finger camera and integrated ECU interface. This version is the new GP version of the SmartyCam 3 range and is designed for all racers who want to get the most out of every performance video on track. Full HD camera system, video output, CAN port , ECU interface and USB-C port are just some of the features of the SmartyCam 3 GP: the powerful motorsport camera of this range delivers great Full HD videos with all the information you need in the overlay.

The technology of the SmartyCam 3 GP is housed in a sturdy and splash-proof aluminium casing. Under the side cover is the SD card slot and the USB-C connection via which the individual configuration can be loaded. The SD card is supported up to a memory size of 2TB.

As with the previous versions, an external GPS module can be connected to the camera, which allows you to display speed, lap time or position on the track without having to connect to the engine control unit or the data logger. The integrated ECU interface enables the recording of ECU data without having to use an additional data logger.

Special features AiM SmartyCam 3 GP

- FullHD 1920x1080 @60 fps
- 1 x bullet cam
- Live overlay of engine data in the video (Data Overlay)
- GPS over external antenna
- Rechargeable lithium battery
- up to 2 TB storage (SD card)
- ECU Interface
- Aluminium case
- TFT colour display | 240x320 Pixel
- Video output for Livestream

Technical Data AiM SmartyCam 3 GP

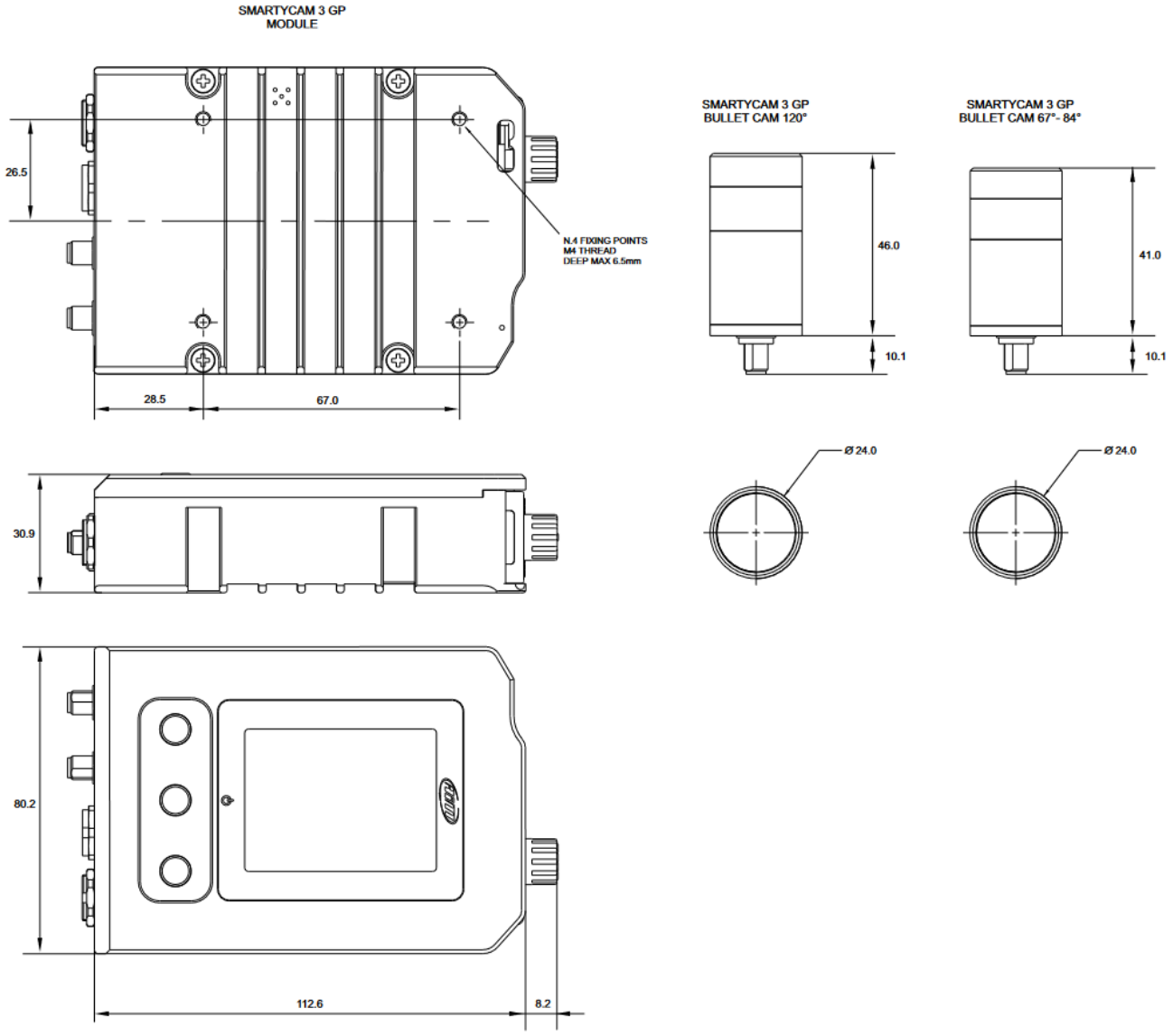
Display:	2.4", 240x320
Lens:	Low distorting camera lens
Field of view:	67°, 84° or 120°
Battery:	Lithium Battery
Charging:	external 12V | USB-C
Video Out:	3G SDI
Connectors:	2x SMA, 1x711-5, 1x 711-7
Memory cards:	SD card | max. 2 TB
Data storage:	ca. 5 GB per hour
Video format:	H264 | 1920x1080 @60 fps
Dimensions:	120.8x80.2x30,9 mm
Weight:	320 gr
Protection class:	IP65
Bullet Dimensions:	24x46 mm
Bullet Weight:	45 gr

Overview of Motorsport Cameras

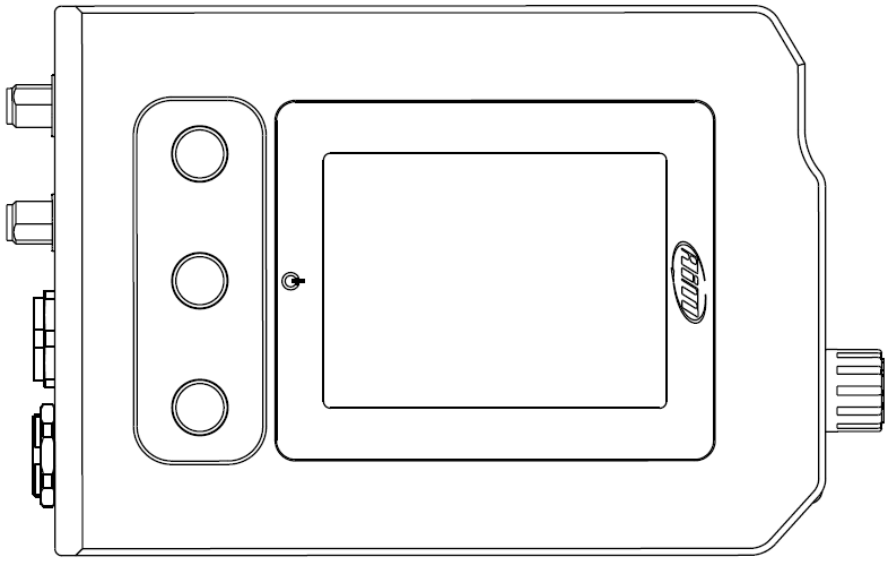
	SmartyCam 3 Dual	SmartyCam 3 GP	SmartyCam 3 Corsa	SmartyCam 3 Sport
Supply				
Power supply	9 - 15 VDC	9 - 15 VDC	9 - 15 VDC	9 - 15 VDC
Power consumption mA [max.]				
Outputs				
Video 3G-SDI	x	x	-	-
Communication				
CAN Interface	2	2	2	1
K-Line	-	-	-	-
RS232	-	-	-	-
USB	x	x	x	-
WiFi	-	-	-	-
Storage				
Storage in GB [optional]	- [2 TB]	- [2 TB]	- [2 TB]	- [2 TB]
Other				
Field of view	-	-	-	-
Gyroscope	-	-	-	-
Connector	DEUTSCH 22-p, 3x SMA	Binder 711 5- & 7-p, 2x SMA	Binder 711 7-p, 2x 711 5-p	Binder 711 5-p
Display	2.4", 240 x 320	2.4", 240 x 320	1.5", 128 x 128	1.5", 128 x 128
Video format	H.264 1920 x 1080 Pixel	H.264 1920 x 1080 Pixel	H.264 1920 x 1080 Pixel	H.264 1920 x 1080 Pixel
Pciture rate	60 fps	60 fps	60 fps	30 fps
Field of view	67°, 84° or 120°	67°, 84° or 120°	67° or 84°	67° or 84°
Measurement	154.4 x 109.6 x 42 mm	120.8 x 80,2 x 30.9 mm	102.2 x 63 x 46.5 mm	79.9 x 54 x 46.5 mm
Measurement Bullet	L=46 mm ⌀ 24 mm	L=46 mm ⌀ 24 mm	-	-
Weight	800 gr	320 gr	280 gr	200 gr
Weight Bullet	45 gr	45 gr	-	-
Protection class	IP65	IP65	IP65	IP65
Expansion				
GPS	o	o	o	o
Lambda	-	-	-	-
Displays	-	-	-	-
SmartyCam	-	-	-	-
TC-Hub	-	-	-	-
Channel Expansion / ACC	-	-	-	-
Shift Light Modul	-	-	-	-
Memory Module	-	-	-	-
Remote Button Interface	-	-	-	-
RIO02	-	-	-	-
Strada Logger	-	-	-	-
MemoryKey	-	-	-	-

x = standard | o = optional | - = not possible | Digit = amount

Measurement AiM SmartyCam 3 GP

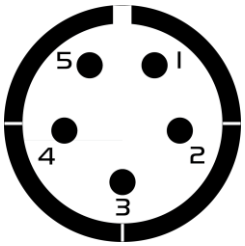


Pinout AiM SmartyCam 3 GP



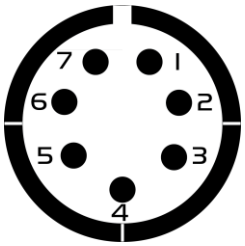
EXP / GPS | Binder 711 5 pin

Pin	Function	Pin	Function
1	EXP CAN +	4	EXP CAN -
2	EXP Ground	5	EXP +Vbat out
3	EXP +Vbat		



ECU | Binder 711 7 pin

Pin	Function	Pin	Function
1	ECU CAN +	5	9 – 15 V
2	Ground	6	Ext Mic -
3	+Vbat out	7	Ext Mic +
4	ECU CAN -		



Scope of supply AiM SmartyCam 3 GP

ASHGP3-120H	SmartyCam 3 GP 120° w. holder kit

Store

ASHGP3-120HF	SmartyCam 3 GP 120° w. bracket BC

Store

ASHGP3-120oH	SmartyCam 3 GP 120° without holder kit

Store

ASHGP3-67H	SmartyCam 3 GP 67° w. holder kit

Store

ASHGP3-67HF	SmartyCam 3 GP 67° w. bracket BC

Store

ASHGP3-67oH	SmartyCam 3 GP 67° without holder kit

Store

Scope of supply AiM SmartyCam 3 GP

ASHGP3-84H	SmartyCam 3 GP 84° w. holder kit

Store

ASHGP3-84HF	SmartyCam 3 GP 84° w. bracket BC

Store

ASHGP3-84oH	SmartyCam 3 GP 84° without holder kit

Store

Accessory AiM SmartyCam 3 GP

CR-RFK	B-Kit pipe claw mount bullet cam, RAM Mount

Store

CR-SFK	B-Kit suction mount bullet cam, RAM Mount

Store

CAK-SCE1xx	Connection cable SC, EXP, 50, 100, 200 or 400 cm, 711m-5p, 711m-5p

Store

CLG-EXP102	Power adapter SOLO2, SC3, 12V, 2000 mA, 711m-5p

Store

CSK-12801	SD 128 GB XC, Class 10

Store

CDU-USBC	USB-Data transference cable USB-C

Store

Accessory AiM SmartyCam 3 GP

CSV-SC104	12V connection cable SC, 200 cm, 711m-7p, open wire

Store

CSV-SC107	12V connection cable SC, Jack, 200 cm, 711m-7p, open wire

Store

CSV-SC109	12V connection cable SC, Micro, 200 cm, 711m-7p, open wire

Store

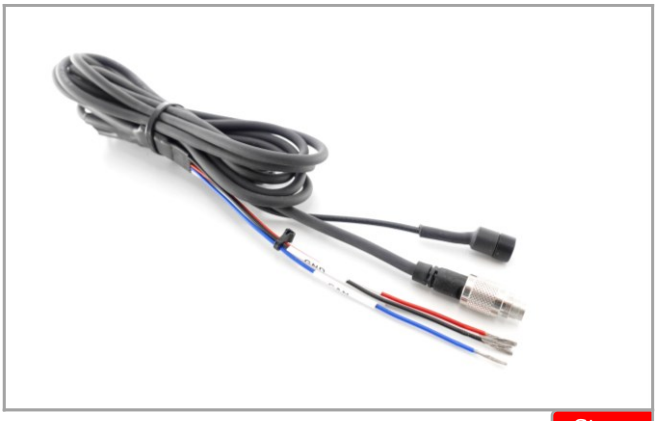
CAK-SCC101	Connection cable SC, CAN, 12V, 200 cm, 711m-7p, open wire

Store

CAK-SCC104	Connection cable SC, CAN, 12V, Jack, 200 cm, 711m-7p, open wire

Store

CAK-SCC107	Connection cable SC, CAN, 12V, Micro, 200 cm, 711m-7p, open wire



Store

Accessory AiM SmartyCam 3 GP

CAK-SCC108	Connection cable SC, 2.2, Jack, 100 cm, 711m-7p

Store

CAK-SCC106	Connection cable SC, 2.2, Micro, 100 cm, 711m-7p

Store

CAK-SCLCS0x	Conn. cable SC, LCS, Bullet Cam, 50, 100, 150, 200, 250, 300 or 400

Store

CZA-SHGP301	Bullet cam SC HD GP 3, 67°

Store

CZA-SHGP302	Bullet cam SC HD GP 3, 84°

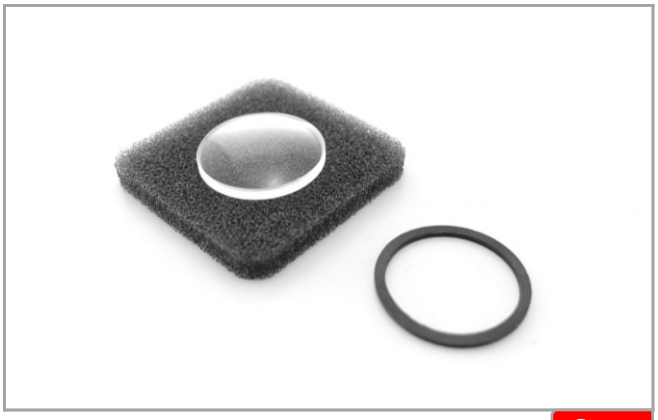
Store

CZA-SHGP303	Bullet cam SC HD GP 3, 120°

Store

Accessory AiM SmartyCam 3 GP

CZA-SCSC04	Protection glass SC GP, 21 mm, curved, only 120°



Store

CZA-SCSC02	Protection glass SC GP, 21 mm, not toned, flat

Store

CSO-SH02	Safety wire SC, Kit

Store

Release History

Release	Date	Author	Comments
100	04.11.2023	TME	First release

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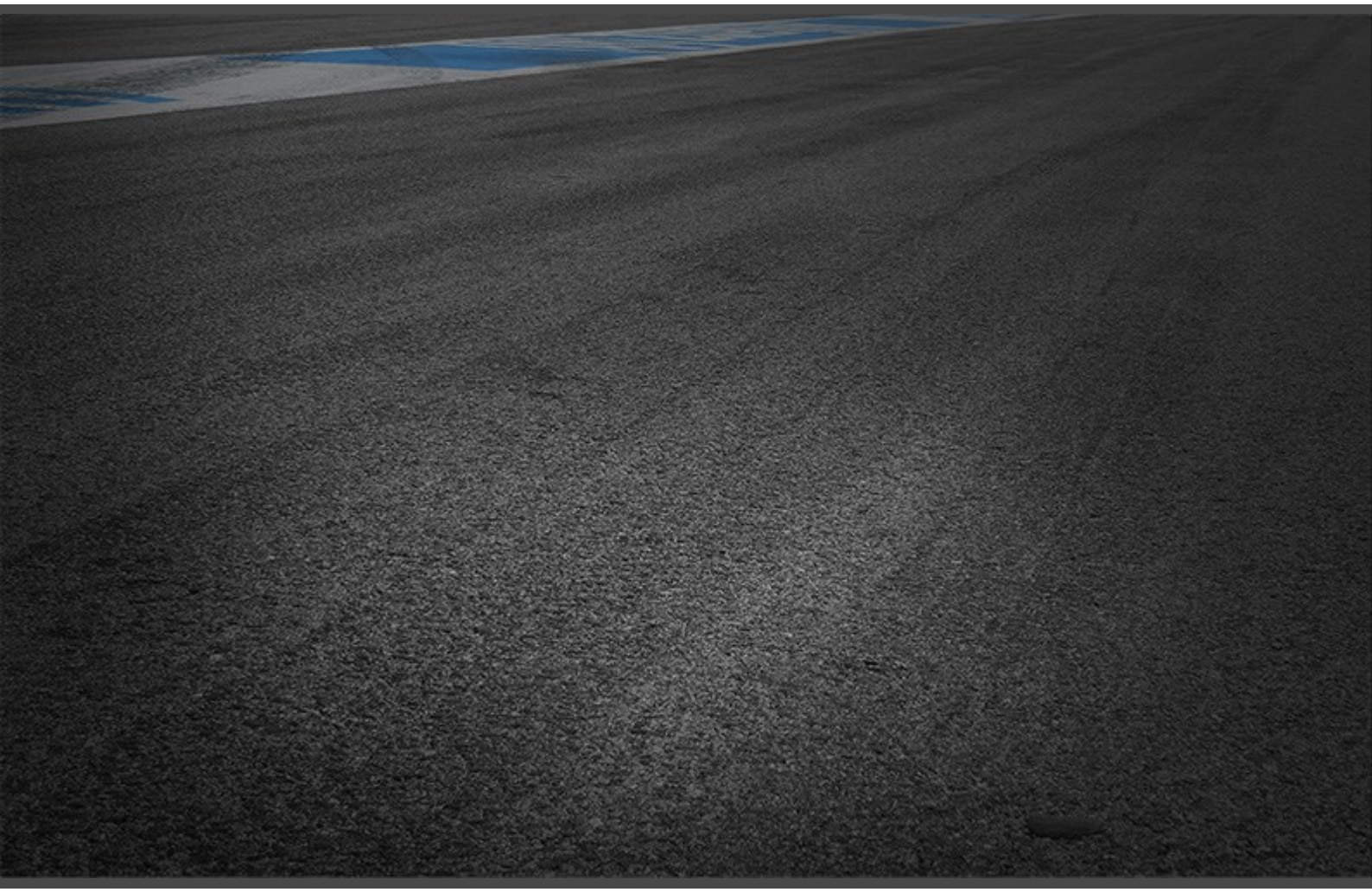

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