

In-Car Video

Studying a video of a race or practice session can have many benefits. You can time sections of a track to determine the fastest line through a particular corner. You may become aware of a bad habit that you were too busy to notice. A video can provide invaluable evidence in the event of a protest. A visible onboard camera can even serve as a deterrent against "overly optimistic" passing attempts! Sharing exciting racing moments with family, friends, and sponsors can also be great fun.

AiM SmartyCam HD Video Cameras with Data Overlay

The **AiM SmartyCam HD** is a solid-state digital video camera designed specifically for racing. Connect it to your AiM data logger, and any parameters gathered by the logger can also be included on the video. If you don't have an AiM logger, you can add an SMC Bridge (sold separately) to gather basic engine data from your car. Or connect it to the GPS08B GPS receiver (sold separately) to display speed, acceleration, position, and lap



AiM SmartyCam HD 2.1 (67° Lens)
Part No. MC-558
Measures less than 3 1/2" x 2 1/2" x 2"
Weighs less than 9 ounces
including battery

The **AiM SmartyCam HD** kits include a SmartyCam HD 2.1 camera with built-in rechargeable battery, 2 meter CAN cable for connection to your AiM logger, USB cable, AC charging adapter, 4GB SD memory card, and SmartyManager software.

AiM SmartyCam HD 2.1, 67° Lens Part No. MC-558 \$999.00
Standard 67° lens is ideal for use inside sedans.

AiM SmartyCam HD 2.1, 84° Lens Part No. MC-599 \$999.00
Wide-angle 84° lens shows a lot of roof when mounted to the main roll hoop in a sedan.

times on the DVD-quality video footage. The data is recorded as part of the video image, so there is no syncing required afterwards. The rechargeable battery runs up to 2 hours when not connected to vehicle power. Features a built-in microphone and front LCD monitor screen for setup and real-time image preview. Waterproof to 1 meter.

AiM SMC Bridges connect the AiM SmartyCam to your car's engine. Information gathered by the ECU (or RPM only in the case of the RPM Bridge) is sent to the SmartyCam and can be included in the data overlay in your videos. SMC Bridges do not have any measuring or data logging capability.

AiM ECU Bridge, OBD-II K-Link Connector Part No. MC-401 \$209.99
Plugs directly into your car's OBD-II diagnostic port for easy installation.

AiM ECU Bridge, CAN/RS232 Wiring Part No. MC-402 \$249.99
Splices into the ECU wiring. Used primarily with racing ECUs.

AiM RPM Bridge for vehicles without OBD-II ECU Part No. MC-539 \$214.99
Vehicles without a compatible ECU (or 1989-95 cars with an OBD-I ECU) can use the RPM Bridge to gather engine RPM only.

The **AiM GPS08B Module** uses position data from GPS and Glonass satellites to calculate speed and acceleration and to start and stop lap times. All data, plus a track map, can be included in the data overlay in your SmartyCam videos.

AiM GPS08B GPS Module for SmartyCam HD Part No. MC-591-Length . \$149.99
Required for Speed, Lap Timing, and Track Mapping functions when not connected to a GPS-equipped AiM data logger. Specify 1.4m or 4.0m cable length.

AiM GPS08B GPS Module, Roof-Mount (4.0m cable) Part No. MC-592-4.0m ... \$149.99

AiM SmartyCam HD GP 2.2 Video Cameras for Formula Cars

The **AiM SmartyCam HD GP 2.2** has a lightweight, compact "bullet" camera connected to a separate remote recording unit. This version is designed specifically for formula cars, motorcycles, and karts. The 2.2 revision accepts the same GPS08 Module as AiM loggers (not the GPS08B) and can accept a direct connection to an ECU without an SMC Bridge. Each kit includes a 2 meter CAN cable and 4GB SD memory card.

AiM SmartyCam HD GP 2.2 Kit, 84° Lens Part No. MC-586-2.2... \$1,099.00
Standard 84° lens is ideal for use on open vehicles.

AiM SmartyCam HD GP 2.2 Kit, 67° Lens Part No. MC-554-2.2... \$1,099.00
Narrow 67° Lens can eliminate the car and driver from the picture.



AiM SmartyCam HD GP 2.2 (84° Lens)
Part No. MC-586-2.2
Bullet camera measures
2" x 0.95" and weighs only 2 oz.
Recording unit measures
4.1" x 3.1" x 1.1".

Video Camera Mounts

We offer a variety of camera mounts with an industry-standard 1/4"-20 male threaded stud. Most cameras and camcorders (including SmartyCam HD) are equipped with a matching female thread. Note that some very small cameras (such as GoPro) and "bullet" cameras

(such as SmartyCam HD GP) do not have a female thread and in most cases will require an adapter. All of our mounts are recommended for compact cameras weighing less than 8 ounces unless noted.



Left:
V-Base Mount Kit
Part No. MC-560

Right:
Suction Cup Mount Kit
Part No. MC-557
Includes 1/4"-20 male stud
and collar adapter for
SmartyCam HD GP
bullet camera



Left:
Collar Mount Adapter
Part No. MC-589
Fits remote "bullet" cameras
measuring 24mm (0.95") diameter



Left:
Roll Bar Mount for
Mini Cameras
Part No. 2421-001

Right:
Camcorder Mount
Part No. 2420
Includes SCCA-mandated
security strap.



All of our camera mounts accept cameras or adapters with the industry-standard 1/4"-20 female thread.

The AiM **V-Base Mount Kits** include two different band clamps to fit any size tubing from 1" to 2" OD. Dual ball joints provide great adjustability.

V-Base Compact Camera Mount Kit Part No. MC-560 \$39.99
Top ball joint has a 1/4"-20 male threaded stud.

V-Base Mount plus Bullet Cam Adapter Collar Part No. MC-556 \$71.99
This version includes a collar mount adapter for the SmartyCam HD GP bullet camera.

V-Base Mount for SmartyCam HD GP Base Unit Part No. MC-579 \$67.99
Top ball joint has a special adapter plate to fit the SmartyCam HD GP recording unit.

Collar Mount Adapter Only for SmartyCam HD GP Part No. MC-589 \$31.99
Female 1/4"-20 threads allow you to mount your SmartyCam HD GP bullet camera to any camera mount with an industry-standard 1/4"-20 male stud.

The AiM **Suction Cup Mount Kit** replaces the V-Base and clamps with a suction cup for temporary window mounting. Note that this type of mount is not legal for SCCA.

Suction Cup Mount Kit with Bullet Cam Collar Part No. MC-557 \$65.99
Includes both a standard 1/4"-20 male stud for SmartyCam HD and a collar mount adapter for SmartyCam HD GP.

Our **Roll Bar Mounts** have a 4-bolt saddle clamp base to fit roll bar tubing from 1.25" to 2" OD.

Roll Bar Mount for Mini Video Cameras Part No. 2421-001 \$54.99
Supports cameras up to 12 ounces (note that SCCA requires cameras over 8 ounces to have a security strap which is sold separately). Dual balljoint adjustments.

Camcorder Mount with Security Strap Part No. 2420 \$99.99
This sturdy mount can support any handheld camcorder-type camera. Three-axis adjustments with a poly bushing to isolate vibrations. Includes SCCA security strap.

SCCA Security Strap Only Part No. 2422 \$5.99
SCCA rules require a security strap or tether on cameras over 8 ounces in case the mount fails. Our 1" wide red nylon strap has a metal friction buckle to adjust quickly up to 17" diameter. This is the same strap included with our Camcorder Mount above.