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 the GPS05B GPS receiver (sold separately) to display speed, acceleration, lap time, track map, and track position on the DVD-quality video footage. 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 to gather basic engine data from your car. The data is recorded as part of the video image, so there is no syncing required afterwards. The data is also logged in a separate file for analysis using the included Race Studio software. You can share and compare it to data from any AiM data logger. The rechargeable battery runs up to 1 hour 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 SmartyCam HD kits include a SmartyCam HD camera with built-in rechargeable battery, CAN cable for connection to AiM logger, USB cable, AC charging adapter, 4GB SD memory card, and SmartyManager software.

AiM SmartyCam HD, 60° Lens ..... *Part No. MC-558* *$999.00*
60° lens is ideal for use inside sedans.

AiM SmartyCam HD, 120° Lens ..... *Part No. MC-559* *$999.00*
Wide-angle 120° lens shows a lot of roof when mounted to the main roll hoop in a sedan.

The **AiM SmartyCam HD GP** has a lightweight, compact "bullet" camera connected to a separate remote recording unit. This version is designed specifically for formula cars, motorcycles, and karts. Kits include CAN cable and 4GB SD memory card.

AiM SmartyCam HD GP Kit, 120° Lens ..... *Part No. MC-555* *$1,099.00*
120° lens is ideal for use on open vehicles.

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

AiM GPS05B GPS Module for SmartyCam HD ..... *Part No. MC-553* *$149.99*
Required for Speed, Lap Timing, and Track Mapping functions when not connected to a GPS-equipped AiM data logger.

Mount Kits for AiM SmartyCam HD and SmartyCam HD GP:

V-Base Mount Kit for SmartyCam HD (not GP) ..... *Part No. MC-560* *$39.99*
The V-shaped base can be mounted to any roll bar with the included band clamps.

V-Base Mount for SmartyCam HD GP ..... *Part No. MC-556* *$71.99*
This version includes a collar mount adapter for the SmartyCam HD GP bullet camera.

Suction Cup Mount for SmartyCam HD and HD GP ..... *Part No. MC-557* *$65.99*
Temporary mount sticks to your windshield. Includes both a standard ¼-20 male stud for SmartyCam HD and a collar mount adapter for SmartyCam HD GP.

Collar Mount Adapter for SmartyCam HD GP ..... *Part No. MC-589* *$31.99*
Female ¼-20 threads allow you to mount your SmartyCam HD GP bullet camera to any standard camera mount with the common ¼-20 male stud (including either of our video camera mounts shown below).

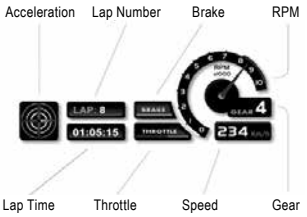
AiM SMC Bridges connect the AiM SmartyCam to your car's engine. Information gathered by the ECU (or RPM only in the case of the RPM Bridge) is sent to the SmartyCam and can be included in the data overlay in your videos. SMC Bridges do not have any measuring or data logging capability.

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 log engine RPM only.

Example of data which SmartyCam is capable of displaying in REAL TIME on your videos



Note: Brake, Throttle, RPM, and Gear display require connection to AiM data logger or SMC Bridge. Speed, Lap Number, and Lap Time require connection to AiM GPS05B Module (sold separately).

Above:
AiM SmartyCam HD (60° Lens)
Part No. MC-558
Measures less than 3 ½" x 2 ½" x 2"
Weighs less than 9 ounces including battery

V-Base Mount Kit
Part No. MC-560

Above:
AiM SmartyCam HD GP (120° Lens)
Part No. MC-555
Bullet camera measures
3" x 15/16" and weighs only 2 oz.
Recording unit measures
4 ⅛" x 2 ½" x 1".

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

Right:
Suction Cup Mount Kit
Part No. MC-557
Includes ¼-20 male stud and collar adapter for SmartyCam HD GP bullet camera

Video Camera Mounts

We offer two different mounts for video cameras using the standard ¼-20 threaded stud mount. Our sturdy **Camcorder Mount** features an elastomer bushing to help isolate high-frequency vibrations from the camera. Three-axis adjustment makes it easy to aim the camera in any direction. Fits 1.25" to 2.00" OD roll cage tubing. This mount is strong enough to support any handheld camcorder-type video camera. Includes a security strap as required by SCCA.

Camcorder Mount with Security Strap ..... *Part No. 2420* *$99.99*

Our compact **Mini Camera Mount** is designed for smaller, lighter digital cameras such as the SmartyCam. The ball head adjusts quickly and easily but does not isolate vibrations. Fits 1.25" to 2.00" roll cage tubing. Security strap sold separately.

Roll Bar Mount for Mini Video Cameras ..... *Part No. 2421-001* *$54.99*

SCCA Security Strap Only ..... *Part No. 2422* *$5.99*
SCCA rules require a security strap or tether in case the mount fails. Our 1" wide red nylon strap has a metal friction buckle to adjust quickly up to 17" diameter.

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

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

Both of these mounts accept cameras with the industry-standard ¼-20 female thread.