

DC20

AI-Powered 4G Dashcam



Product Introduction

The **DC20** is a rugged, 4G-connected, 6-channel AI dashcam designed for freight fleets. It combines an integrated forward-facing camera with an in-cabin camera for comprehensive road and driver monitoring, and supports up to four external add-on AHD cameras, enabling six channels of 1080p recording. Benefit from dual-stream video backup with supercapacitor protection, industrial-grade durability, and global 4G connectivity for real-time GPS and data tracking. Advanced AI algorithms deliver forward risk alerts by detecting vehicles, pedestrians, and lane lines, while also monitoring drivers for fatigue and distraction. The in-cabin camera, paired with one-touch privacy mode, ensures driver safety and privacy without compromise.



Proactive Fleet Safety: Cutting-edge AI (ADAS & DMS) actively alerts drivers to prevent accidents caused by distraction or fatigue.



Hassle-Free Setup: Auto-calibration simplifies and speeds up installation.



Unwavering Reliability: Dual supercapacitors ensure your critical video data is protected, even during sudden power loss.



Built to Last: Rugged, industrial-grade hardware guarantees a longer product lifespan, reducing downtime.



Global Real-Time Visibility: Reliable worldwide 4G (CAT4) connectivity provides instant access to data and precise GPS vehicle tracking.



Powerful AI Processing: A high-performance SoC with a dedicated 3.0 TOPS NPU drives advanced AI capabilities.



Crystal-Clear Multi-Channel Recording: Capture comprehensive views with up to three simultaneous 1080p HD video streams at 30fps.



Ample & Secure Storage: Dual microSD card slots support up to 512GB each for main and sub-stream video storage.



Sustained Peak Performance: An advanced cooling system efficiently dissipates heat, ensuring consistent high performance.



Smart Power Management: Conserves power in sleep mode (after ACC off) while still allowing for remote location and wake-up.



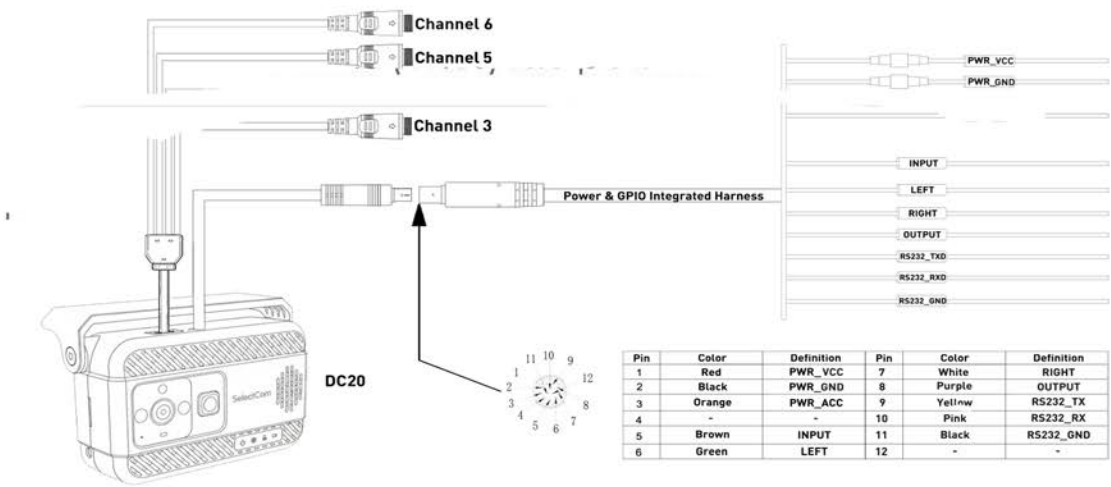
Immediate Emergency Response: An easily accessible, bright red panic button allows drivers to quickly signal for help.

Type	Function	Alert Sound	Working Speed
Forward ADAS	FCW	Forward collision warning	Above 30km/h
	HMW	Maintain safe distance.	Above 50km/h
	PCW	Pedestrian ahead	1~ 30km/h
	LDW	Lane departure	Above 55km/h
Driver-Facing DMS	Driver Eye Closed	Alert: Driver appears drowsy	Above 20km/h
	Driver Yawning	Alert: Driver appears drowsy	Above 20km/h
	Driver Distraction	Alert: Driver distraction	Above 20km/h
	Driver Smoking	Caution: Driver is smoking	Above 20km/h
	Driver Phone Use	Driver phone use detected	Above 20km/h
	Seat Belt Non-Fastened	Alert: Seat belt not fastened	Above 20km/h
	No Driver Detected	Warning: No driver detected	Above 20km/h
	Camera Obstructed	Warning: DMS camera is obstructed	Above 20km/h
Aggressive Driving Detection	Hard Braking		Above 20km/h
	Harsh Acceleration		Above 20km/h
	Sharp Turn		Above 20km/h
	Collision		Above 0km/h
	Rollover		Above 0km/h

Brand	SelectCam AI
Model	DC20
MCU	ARM® Cortex®-M4
AV Codec Chip	ARM® quad-core Cortex™ A53 with real-time H.264/H.265 encode/decode
NPU	Neural network acceleration engine with processing performance up to 3 TOPS
RAM	8Gb DDR4
ROM	8GB eMMC
Operating System	Linux
UI Language	English
Mobile Networks	TDD-LTE/FDD-LTE/EVDO/TD-SCDMA/WCDMA
eSIM	Optional
WiFi	802.11b/g/n/ac compliant
GPS Positioning	√
IMU	6-axis gyro
Storage	Supports two microSD cards, up to 512GB each
Audio Input/Output	Single-channel audio input and output (forward)
Camera Channels	Channel 1 (forward): Audio + Video Channel 2 (Default for DMS): Video only Channel 3: Video only

Codecs	Supports up to 6x 1080p@30fps video channels
Video Standard	PAL (by default)/NTSC
Detachable Cameras (*2) Interface	4-pin aviation connector, AHD signal, defaulting to 1080p (720p optional)
LED Indicators	1 device power status LED 1 4G communication status LED 1 GPS positioning status LED 1 video recording status LED
GPIO	3-channel input 1-channel output 1-channel RS232
Other Interfaces	1 micro SIM card slot 2 microSD card slots 1 USB 2.0 port
Supercapacitor	2 built-in supercapacitors
Input Voltage	9V ~ 36V
Circuit Protection	With built-in safeguards against undervoltage, short circuits, and reverse polarity.
Work Modes	Beyond the standard operating mode, customizable settings are available for delayed shut-down, sleep mode, scheduled power-on, and remote wake-up.
Temperature Range for Operation	-20°C to 70°C
Temperature Range for Storage	-40°C to 85°C
Casing Material	Aluminum alloy + PC + ABS (UL94-V0)
Physical Size	136.4mm x 56.5mm x 78.7mm
Net Weight	444g

Standard	DC20 dashcam*1
	Bracket with 3M sticker*1
	In-cabin camera privacy cover*1
	Power and GPIO integrated harness *1
	Cable tie*8
	Allen wrench*2
Optional	A-pillar DMS camera
	Side camera
	Rear camera
	Mini dome camera
	Heat anti-fog camera
	MicroSD card
	4-CH AHD Camera Expansion Cable
	AHD camera extension cable



About SelectCam AI

SelectCam AI is pioneering the future of commercial fleet safety with accessible, high-performance AI video telematics hardware. We design and engineer industrial-grade 4G AI dashcams, fleet MDVR systems, and vehicle camera solutions built for real-world reliability at scale—not consumer-grade devices repurposed for commercial fleets. Based in Shenzhen—the global hub of advanced manufacturing—we leverage a robust supply chain ecosystem and deep engineering expertise to deliver a cost-effective fleet video telematics portfolio trusted by logistics and transportation operators worldwide.