



Model Number	VREC-H310SH
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Summary	1-Channel (Front) Dash Camera, Full HD, 30 fps. 139° Wide Viewing Angle. Also features GPS, Wi-Fi, and 24/7 Security Mode (Hard Wire Kit included in the box).
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Short Description	1-Channel (Front) Dash Camera, Full HD, 30 fps. 139° Wide Viewing Angle.
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Shortlisted Features	
2-Channel Dash Camera	-
1-Channel Dash Camera	Front Dash Camera, recording the front.
4K	

<b>WQHD</b>	-
<b>Full HD</b>	This product records in Full HD (1920 x 1080 p) with about 2 million pixels of high resolution so you can record clear high-quality characters such as a license plate, in the day or night.
<b>Wide Viewing Angle</b>	Record larger amounts of information with less blind spots, such as a motorcycle passing from the left or right or a pedestrian or bicycle jumping out.
<b>Night Time Mode</b>	-
<b>Sony's CMOS sensor with STARVIS™ technology</b>	-
<b>Wide Dynamic Range (WDR)</b>	-
<b>High Dynamic Range (HDR - Rear Camera)</b>	-
<b>Parking Mode</b>	
<b>24/7 Security Mode</b>	24/7 Security Mode* will automatically start to record when an impact is detected, allowing you to monitor your vehicle 24/7, 365 days a year. *Security Mode requires a direct connection to the vehicles power supply using Pioneer's Hard Wire Kit.
<b>GPS</b>	Accurately record important information such as your current position, vehicle speed, direction of travel and time.
<b>Wi-Fi</b>	Built-in Wi-Fi to connect your smartphone via an exclusive Pioneer Dash Camera app*. Check recorded videos or set up the Dash Camera on the screen of a compatible iPhone or Android™ smartphone. * Compatible smartphone required. App availability is depending on your country.
<b>Wireless Connection</b>	
<b>Audio / Video Output</b>	-
<b>Tailgating</b>	
<b>Voice Guidance</b>	
<b>Voice Recognition</b>	

<b>Rear Camera</b>	Pioneer offers an optional rear facing camera. By using a Sony's CMOS sensor with STARVIS technology, the camera also allows perfect recording at night.
<b>Included MicroSD Card</b>	-

<b>Main Features</b>	
<b>2-Channel</b>	-
<b>1-Channel</b>	YES
<b>4K</b>	
<b>WQHD</b>	-
<b>Full HD</b>	YES
<b>Wide Viewing Angle</b>	139° Wide Viewing Angle
<b>Night Time Mode</b>	-
<b>Sony's CMOS sensor with STARVIS™ technology (Front and Rear)</b>	-
<b>Sony's CMOS sensor with STARVIS™ technology</b>	-
<b>Wide Dynamic Range (WDR)</b>	-
<b>High Dynamic Range (HDR) (Rear only)</b>	-
<b>High Dynamic Range (HDR)</b>	-
<b>Parking Mode</b>	-
<b>24/7 Security Mode</b>	YES
<b>GPS</b>	YES
<b>Wi-Fi</b>	YES
<b>Wireless Connection</b>	-
<b>Gesture Event Recording</b>	-
<b>Voice Guidance</b>	
<b>Voice Recognition</b>	
<b>Audio / Video Output</b>	-
<b>Ultra Compact Design</b>	-
<b>Included microSD Card</b>	-

<b>Image Quality</b>	Front: Full HD (1920 x 1080 p)
<b>Viewing Angle</b>	Front Camera: Horizontal 112°, Vertical 62°, Diagonal 139°
<b>Sensor</b>	-
<b>F-Value</b>	Front Camera: F2.1
<b>Frame Rate (fps)</b>	Front Camera: 30 fps
<b>Image Correction</b>	-
<b>Camera Type</b>	Front
<b>Camera Swivel Mechanism</b>	-
<b>Polarised Filter</b>	-
<b>Rear Camera</b>	Optional (ND-RC1)
<b>Screen</b>	3" Full Colour LCD
<b>Smartphone App</b>	Pioneer "Dash Camera Connect" app
<b>G Sensor</b>	YES
<b>Sound Recording</b>	On / Off
<b>Recording Modes</b>	Normal / Event / Photo / Parking
<b>Continuous Recording Time</b>	First 30 seconds, last 30 seconds
<b>Event Recording Times</b>	First 30 seconds, last 30 seconds
<b>Manual Recording Times</b>	First 30 seconds, last 30 seconds
<b>Parking Mode Recording Times</b>	60 sec
<b>Parking Surveillance Recording: Built-in Battery</b>	-
<b>Parking Surveillance Recording: 24/7 Security Mode</b>	24/7, 365 days per year
<b>Video Recording Format</b>	MOV (H.264)
<b>Still Image Capture</b>	YES
<b>Still Image Format</b>	JPEG
<b>Date and Time Setting</b>	YES
<b>Speed Camera Alert</b>	-
<b>Speed Limit Alert</b>	YES

<b>Advanced Driver Assistance Systems (ADAS)</b>	Lane Departure Warning System (LDWS) Front Collision Warning System (FCWS)
<b>Tailgating</b>	-
<b>Loop Video Recording</b>	YES
<b>Automatically Start Recording</b>	YES
<b>MicroSD Card Included</b>	-
<b>MicroSD Card Capacity</b>	16 GB to 128 GB
<b>MicroSD Card Compatibility</b>	microSDHC memory card class 10
<b>MicroSD Card Format Warning</b>	-
<b>MicroSD Card Format Free</b>	-
<b>Battery Type</b>	Super capacitor
<b>Battery Full Charge Time</b>	-
<b>Built-in Battery Capacity</b>	-
<b>Power Consumption</b>	Approximately 3W (only Front) 5W(Front+Rear)
<b>Power Supply Voltage</b>	12 V / 24 V DC
<b>Power Connection Type</b>	Hard wire power cable
<b>Power Cable Length</b>	3.5 m
<b>Rear Camera Cable Length</b>	-
<b>Allowable Installation Angle</b>	-
<b>Operating Temperature</b>	-20° to +60°
<b>Dimensions (W x H x D)</b>	90 mm x 54.25 mm x 34.80 mm
<b>Weight</b>	110g (Excluding installation brackets, etc.)
<b>Graphic User Interface (GUI) Languages</b>	English / French / German / Spanish / Polish / Russian
<b>Accessories (Sold Separately)</b>	Rear Camera (ND-RC1)
<b>What's In The Box</b>	Front Camera / Mounting Cradle / Hard Wire Power Cable / Quick Start Guide / Warranty Document