

Product Specifications		QVIA NON-LCD MODELS	
		QR790-S	AR790-S
Image			
Resolution / Frame Rate		<b>2CH QHD + FHD</b> F : 2560 x 1440p @ 30fps R : 1920 x 1080p @ 30fps	<b>2CH SHD + FHD</b> F : 2304 x 1296p @ 30fps R : 1920 x 1080p @ 30fps
Memory		16GB (Up to 512GB)	
Camera		<b>Front</b> : 5.48M Effective Pixels, Sony Exmor R Starvis Image Sensor (IMX 326) <b>Rear</b> : 2.13M Effective Pixels Sony Exmor CMOS Image Sensor (IMX 322)	
CPU		AMBARELLA A12	
Viewing Angle (Approx.)		F : (Diagonal) 130° / R : (Diagonal) 135°	
Recording Modes		Always Recording, Event Recording, Parking Mode Recording (Motion Detection or Timelapse), Manual(Emergency) Recording	
Image Quality		Highest, High, Normal	
Video Compression		MP4	
Wi-Fi		802.11 b/g/n (2.4-2.4835 GHz)	
GPS		Built-in / Ublox 8 Dual Band (GPS+Glonass)	
Microphone		Built-in	
Speaker (Voice Guidance)		Built-in (21 languages)	
LED Indicators		Front : Security LED, Recording LED, GPS LED, Wi-Fi LED, ADAS LED Rear : Security LED	
Low-voltage Cut-off System		○	
Format Free System		○	
Qvia Night Vision		○	
Current Consumption		295mA	
Operating Temp. Storage Temp.		-30°C ~ 80°C / -40°C ~ 90°C (-22°F ~ 176°F / -40°F ~ 194°F)	-30°C ~ 70°C / -40°C ~ 80°C (-22°F ~ 158°F / -40°F ~ 176°F)
Screen / Resolution		N/A	
Size(mm)		F : 110 x 75 x 46 R : 50 x 26 x 31	F : 101 x 62 x 38 R : 50 x 26 x 31
Weight(g)		F : 84 / R : 25	F : 82 / R : 25
Filter		30mm UV & CPL Filter (Standard Package includes UV filter)	X
Tamper-Proof Case		X	<b>Qvia Tamper-Proof Case</b> Blocks physical access to : 1. SD card 2. Power and Rear Cable 3. Power Switch on the dashcam 4. Format button on the dashcam
ADAS 3.0	ADAS (Advanced Driver Assistance Systems)	<b>LDWS</b> (Lane Departure Warning System) <b>FCWS</b> (Forward Collision Warning System) <b>FCMD</b> (Front Car Moving Detection) (ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)	
	2nd Monitor (Option)	<b>Real-time Speed, GPS Signal Status</b> <b>Real-time RPM, Turn Signal, Brake pedal monitoring system</b> <b>TTC Information (Time-to-Collision)</b> : Calculates distance between and speed of leading and following vehicles to indicate how much spare time the driver has before a potential forward collision provided that the leading vehicle abruptly stops. <b>ADAS Information</b> : Real-time Lane Detection, Real-time Front Car Detection (Lane and Car icon on the display changes in color when LDWS, FCWS alarm is activated)	
	Vibrator (Option)	<b>ADAS Seat Vibrator</b> Physically Alerts the Driver when LDWS, FCWS alarm is activated (Configuration settings for vibration intensity, on/off option)	
Other features		<b>- Parking Mode Event Voice Notification</b> : When exiting Parking Mode Recording, Qvia AR790-S and QR790-S tells the driver if Events were recorded in Parking Mode, so that the driver can check the recording right away on the Lukas App. <b>- Scheduled Memory Card Format</b> : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.	

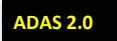

Product Specifications		QVIA NON-LCD MODELS	
		QR790	AR790
Image			
Resolution / Frame Rate		<b>2CH QHD + FHD</b> F : 2560 x 1440p @ 30fps R : 1920 x 1080p @ 30fps	<b>2CH FHD + FHD</b> F : 1920 x 1080p @ 30fps R : 1920 x 1080p @ 30fps
Memory		16GB (Up to 512GB)	
Camera		Front : 5.48M Effective Pixels, Sony Exmor R Starvis Image Sensor (IMX 326) Rear : 2.13M Effective Pixels Sony Exmor CMOS Image Sensor (IMX 322)	Front / Rear : 2.1M Effective Pixel, Sony IMX 322 Sensor
CPU		AMBARELLA A12	
Viewing Angle (Approx.)		F : 120° / R : 125°	F : 135° / R : 130°
Recording Modes		Always Recording, Event Recording, Parking Mode Recording (Motion Detection or Timelapse), Manual(Emergency) Recording	
Image Quality		Highest, High, Normal	
Video Compression		MP4	
Wi-Fi		802.11 b/g/n (2.4-2.4835 GHz)	
GPS		Built-in / Ublox 8 Dual Band (GPS+Glonass)	
Microphone		Built-in	
Speaker (Voice Guidance)		Built-in (21 languages)	
LED Indicators		Front : Security LED, Recording LED, GPS LED, Wi-Fi LED, ADAS LED Rear : Security LED	
Low-voltage Cut-off System		○	
Format Free System		○	
Qvia Night Vision		○	
Current Consumption		250mA	295mA
Operating Temp. Storage Temp.		-30°C ~ -80°C / -40°C ~ -90°C (-22°F ~ 176°F / -40°F ~ 194°F)	-30°C ~ 70°C / -40°C ~ -80°C (-22°F ~ 158°F / -40°F ~ 176°F)
Screen / Resolution		N/A	
Size(mm)		F : 110 x 75 x 46 R : 50 x 26 x 31	F : 101 x 62 x 38 R : 50 x 26 x 31
Weight(g)		F : 84 / R : 25	F : 82 / R : 25
Filter		30mm UV & CPL Filter (Standard Package includes UV filter)	X
Tamper-Proof Case		X	<p><b>Qvia Tamper-Proof Case</b>            Blocks physical access to :            1. SD card            2. Power and Rear Cable            3. Power Switch on the dashcam            4. Format button on the dashcam</p>
ADAS 2.0	ADAS (Advanced Driver Assistance Systems)	LDWS (Lane Departure Warning System) FCWS (Forward Collision Warning System) FCMD (Front Car Moving Detection) (ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)	
	Vibrator (Option)	<p><b>ADAS Seat Vibrator</b>            Physically Alerts the Driver when LDWS, FCWS alarm is activated            (Configuration settings for vibration intensity, on/off option)</p>	
Other features		<ul style="list-style-type: none"> <li>- <b>Parking Mode Event Voice Notification</b> : When exiting Parking Mode Recording, Qvia QR790 and AR790 give a voice alert to the driver if Events were recorded in Parking Mode, so that the driver can check the recording right away on the Lukas App.</li> <li>- <b>Scheduled Memory Card Format</b> : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.</li> </ul>	

Product Specifications		LUKAS LCD MODELS	
		AR790	
Image	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: black; color: yellow; padding: 2px 5px; margin-right: 10px;">ADAS 3.0</div> </div>		
Resolution / Frame Rate	<p style="text-align: center;"><b>2CH Quad HD + Full HD</b></p> <p style="text-align: center;"><b>F : 2560 x 1440p @ 30fps</b> <b>R : 1920 x 1080p @ 30fps</b></p>		
Memory	<b>32GB (Up to 512GB)</b>		
Camera	<p>Front : 5.48M Effective Pixels, Sony Exmor R Starvis Image Sensor (IMX 326) Rear : 2.13M Effective Pixels Sony Exmor CMOS Image Sensor (IMX 323)</p>		
CPU	Ambarella A12		
Viewing Angle (Approx.)	<p>F : (Diagonal) 120° R : (Diagonal) 125°</p>		
Recording Modes	<p>Always Recording, Event Recording, Parking Mode Recording (Motion Detection or Time Lapse), Manual(Emergency) Recording</p>		
Video Compression	MP4		
Wi-Fi	0		
GPS	Ublox 8 Dual Band (GPS+Glonass)		
Microphone	Built-in		
Speaker (Voice Guidance)	Built-in ( <b>21 languages</b> )		
LED Indicators	<p>Front : Security LED, Recording LED Rear : Security LED</p>		
Low-voltage Cut-off System	○		
Format Free System	○		
Current Consumption	350mA		
Operating Temp. Storage Temp.	<p>-30°C ~80°C / -40°C ~90°C (-22°F ~ 176°F / -40°F ~ 194°F )</p>		
Screen / Resolution	3.5 inch touchscreen / 320*480		
Size(mm)	<p>F : 70 x 133 x 36 R : 51 x 26 x31</p>		
Weight(g)	F : 170 / R : 25		
ADAS 3.0	ADAS (Advanced Driver Assistance Systems)	<p style="text-align: center;"><b>LDWS (Lane Departure Warning System)</b> <b>FCWS (Forward Collision Warning System)</b> <b>FCMD (Front Car Moving Detection)</b></p> <p style="text-align: center;">(ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)</p>	
	2nd Monitor (Option)		<p style="text-align: center;"><b>Real-time Speed, GPS Signal Status</b> <b>Real-time RPM, Turn Signal, Brake pedal monitoring system</b> <b>TTC Information (Time-to-Collision)</b> : Calculates distance between and speed of leading and following vehicles to indicate how much spare time the driver has before a potential forward collision provided that the leading vehicle abruptly stops. <b>ADAS Information</b> : Real-time Lane Detection, Real-time Front Car Detection (Lane and Car icon on the display changes in color when LDWS, FCWS alarm is activated)</p>
	Vibrator (Option)		<p style="text-align: center;"><b>ADAS Seat Vibrator</b> Physically Alerts the Driver when LDWS, FCWS alarm is activated (Configuration settings for vibration intensity, on/off option)</p>
Other features		<p style="text-align: center;">- Lukas Night Vision / WDR - Built-in Supercapacitor - Scheduled Memory Card Format : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.</p>	

Product Specifications		LUKAS NON-LCD MODELS	
		V790	AR790
Image			
Resolution / Frame Rate	2CH FHD + HD		1CH Full HD
	F : 1920 x 1080p @ 30fps R : 1280 x 720p @ 30fps		F:1920 x 1080p @ 30fps
Memory	16GB (Up to 128GB)		
Camera	<b>Front</b> : 2.1M Effective Pixels, Sony Starvis CMOS Image Sensor (IMX 307) <b>Rear</b> : HD CMOS Sensor		<b>Front</b> : 2.1M Effective Pixels, Sony Starvis CMOS Image Sensor (IMX 307)
IR Rear Cam Option	O		X
CPU	Allwinner V3		
Viewing Angle (Approx.)	F : (Diagonal) 135° / R : (Diagonal) 120°		F : (Diagonal) 135°
Recording Modes	Always Recording, Event Recording, Parking Mode Recording (Motion Detection), Manual(Emergency) Recording		
Video Compression	MP4		
Wi-Fi	802.11 b/g/n (2.4~2.4835 GHz)		
GPS	Built-in / Ublox 8 Dual Band (GPS+Glonass)		
Microphone	Built-in		
Speaker (Voice Guidance)	Built-in (3 languages)		
LED Indicators	Front : Security LED, Recording LED, GPS LED, Wi-Fi LED, ADAS LED Rear : Security LED		
Low-voltage Cut-off System	O		
Format Free System	O		
Current Consumption	268mA (GPS ON, WiFi OFF)		130mA (GPS ON, WiFi OFF)
Operating Temp. Storage Temp.	-30°C ~ -80°C / -40°C ~ -90°C (-22°F ~ -176°F / -40°F ~ -194°F)		
Screen / Resolution	N/A		
Size(mm)	F : 101 x 62 x 38 R : 52 x 30 x 26		F : 101 x 62 x 38
Weight(g)	F : 82 / R : 22		F : 82
Tamper-Proof Case	<p><b>Tamper-Proof Case</b> Blocks physical access to :</p> <ol style="list-style-type: none"> <li>1. SD card</li> <li>2. Power and Rear Cable</li> <li>3. Power Switch on the dashcam</li> <li>4. Format button on the dashcam</li> </ol>		
ADAS 1.0	ADAS (Advanced Driver Assistance Systems)	<b>LDWS</b> (Lane Departure Warning System) <b>FCWS</b> (Forward Collision Warning System) (ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)	
Other features	<b>- Parking Mode Event Voice Notification</b> : When exiting Parking Mode Recording, V790 and VT790 tells the driver if Events were recorded in Parking Mode, so that the driver can check the recording right away on the Lukas App. <b>- Scheduled Memory Card Format</b> : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.		

Product Specifications		LUKAS LCD MODELS	
		LK-939 mini	
Image			
Resolution / Frame Rate	<b>2CH SHD + FHD</b> F : 2604 x 1296p @ 30fps R : 1920 x 1080p @ 30fps		
Memory	<b>16GB+16GB (Up to 1TB)</b>		
Camera	<b>Front</b> : 5.48M Effective Pixels, Sony Exmor R Starvis Image Sensor (IMX 326) <b>Rear</b> : 2.13M Effective Pixels Sony Exmor CMOS Image Sensor (IMX 323)		
CPU	Ambarella A12		
Viewing Angle (Approx.)	F : (Diagonal) 120° / R : (Diagonal) 125°		
Recording Modes	Always Recording, Event Recording, Parking Mode Recording (Motion Detection or Timelapse), Manual(Emergency) Recording		
Video Compression	MP4		
Wi-Fi	X		
GPS	Built-in / Ublox 8 Dual Band (GPS+Glonass)		
Microphone	Built-in		
Speaker (Voice Guidance)	Built-in ( <b>21 languages</b> )		
LED Indicators	Front : Security LED, Recording LED Rear : Security LED		
Low-voltage Cut-off System	○		
Format Free System	○		
Current Consumption	250mA		
Operating Temp. Storage Temp.	-30°C ~70°C / -40°C ~80°C (-22°F ~ 158°F / -40°F ~ 176°F )		
Screen / Resolution	3.5 inch touchscreen / 320*480		
Size(mm)	F : 99 x 111 x 37 R : 50 x 26 x 31		
Weight(g)	F : 161 / R : 25		
ADAS 3.0	ADAS (Advanced Driver Assistance Systems)	<b>LDWS</b> (Lane Departure Warning System) <b>FCWS</b> (Forward Collision Warning System) <b>FCMD</b> (Front Car Moving Detection) (ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)	
	2nd Monitor (Option)		<b>Real-time Speed, GPS Signal Status</b> <b>Real-time RPM, Turn Signal, Brake pedal monitoring system</b> <b>TTC Information (Time-to-Collision)</b> : Calculates distance between and speed of leading and following vehicles to indicate how much spare time the driver has before a potential forward collision provided that the leading vehicle abruptly stops. <b>ADAS Information</b> : Real-time Lane Detection, Real-time Front Car Detection (Lane and Car icon on the display changes in color when LDWS, FCWS alarm is activated)
	Vibrator (Option)		<b>ADAS Seat Vibrator</b> Physically Alerts the Driver when LDWS, FCWS alarm is activated (Configuration settings for vibration intensity, on/off option)
Other features	<b>- Lukas Night Vision / WDR</b> <b>- Built-in Supercapacitor</b> <b>- Scheduled Memory Card Format</b> : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.		

Model	<b>QVIA LCD MODELS</b>
Image	<b>R935 Plus</b> 
Memory (Standard)	<b>8GB+8GB</b>
Camera Lens	F : 2.1M Effective Pixel, <b>Sony Exmor R CMOS Sensor</b> R : 2.1M Effective Pixel, Sony Exmor CMOS Sensor
CPU	TI
Wi-Fi	X
Viewing Angle (Approx.)	F : 135° / R: 130°
Resolution	F: 1920 x 1080p R: 1920 x 1080p
Recording Speed (Max.)	F : 30fps / R : 24fps
GPS	Ublox 8 Dual Band (GPS+Glonass) - Optional
Memory Cards(GB)	SD : 8~ 512 / microSD : 8~ 512
Low-voltage Cut-off Feature	O
Format Free Feature	O
Current Consumption	340mA
Operating Temp. Storage Temp.	-20℃ ~ 70℃ / -30℃ ~ 80℃ (-4°F ~ 158°F / -22°F ~ 176°F )
Screen / Resolution	3.5" / 800x480
Size(mm)	F : 111 x 99 x 37 R : 50 x 26 x 31
Weight(g)	F : 151 / R : 25
Common Features	<ul style="list-style-type: none"> <li>- Supports the Highest Memory Capacity In Market</li> <li>- Built-in Low-Voltage Cut-Off Function</li> <li>- Media Player : Qvia Viewer for Mac &amp; Windows / General Media Player</li> <li>- Multi Booting(ON/ACC/OFF) System</li> <li>- Dual Band (GPS + GLONASS)</li> <li>- Saving 1 Million Driving Info Data</li> <li>- Audio Assistance (voice guidance) : 21-Language Support</li> </ul>

Product Specifications		LUKAS LCD MODELS	
		AR790	
Image		 	
Resolution / Frame Rate		2CH Full HD + HD F:1920 x 1080p @ 30fps R :1280 x 720p @ 30fps	
Memory		16GB (Up to 512GB)	
Camera		Front : 2.1M Effective Pixels, Sony Starvis CMOS Image Sensor (IMX 291) Rear : HD CMOS Sensor	
IR Rear Cam Option		O	
CPU		Ambarella A12	
Viewing Angle (Approx.)		F : (Diagonal) 145° R : (Diagonal) 120°	
Recording Modes		Always Recording, Event Recording, Parking Mode Recording (Motion Detection or Time Lapse), Manual(Emergency) Recording	
Video Compression		MP4	
Wi-Fi		X	
GPS		Ublox 8 Dual Band (GPS+Glonass)	
Microphone		Built-in	
Speaker (Voice Guidance)		Built-in (21 languages)	
LED Indicators		Front : Security LED, Recording LED Rear : Security LED	
Low-voltage Cut-off System		O	
Format Free System		O	
Current Consumption		220mA	
Operating Temp. Storage Temp.		-10°C ~60°C / -20°C ~70°C (14°F ~ 140°F / -4°F ~ 158°F )	
Screen / Resolution		3.5 inch touchscreen / 320*480	
Size(mm)		F : 100 x 101 x 33 R : 51 x 30 x 25	
Weight(g)		F : 125 / R : 22	
Filter		37mm UV & CPL Filter (Standard Package includes UV filter)	
ADAS 2.0		ADAS (Advanced Driver Assistance Systems) <b>FCWS</b> (Forward Collision Warning System) <b>LDWS</b> (Lane Departure Warning System) <b>FCMD</b> (Front Car Moving Detection) (ADAS can be selectively turned on and off / Configuration settings for sensitivity and speed for alarm activation)	
Other features		- Lukas Night Vision / WDR - Built-in Supercapacitor - Scheduled Memory Card Format : Schedule memory card format every 4, 8, 16, 32 weeks to minimize potential memory card errors.	