

RPI-V Features

The RPI Feature List is categorised by the below functions, Enhancements and new features are developed and contributed asynchronously by members of the RDK Community.

Category	Feature	Description	RPI-3	RPI-4	Comments
Content Related	Adaptive Bit Rate	HLS			
		DASH			
	Audio Input Formats	MPEG, MP3, AAC, AC3			
	Audio Output Formats	Stereo			
	Codecs	MPEG2, H.264, VP8			
	Delivery	Video on Demand			
Content Delivery	VOD	QAM VOD[Emulated Content]			Using rmfApp for QAM playback
	Video Output Resolutions	480i, 480p, 720p, 1080i, 1080p			
		Ultra HD, Advanced High Dynamic Range (HDR)	x		
		4K	x		
Rendering	WPE WebKit	WPE on Raspberry Pi			
	Rendering	QT 5.1.1			
		Westeros Wayland Based Compositor			Confirming using westeros-test and esoss-sample app'n
	App Framework	AAMP / RDK MediaPlayer integration on Raspberry Pi			
		AAMP Buffer health monitoring			
	Browser Engine	QT WebKit 5.1.1			
		WebKit Pure Embedded integration			
		WPEWebKit 2.28			
	Connection Security	SSL/TLS			
	Graphics	OpenGL ES			
	Plugins	WebRTC			
Device Management	Yocto version supported	Yocto 2.2 and 3.1 on Raspberry Pi Reference Platform			
	Download	TFTP and HTTP			
		Download Enhancements (% download, Log timestamps)			
	Logging	TFTP Log Upload, HTTP Log Upload			Telemetry feature not verified.
		Distribute (smear) logging uploads (dependent on XCONF Server)			

	Memory Optimization	Use Flash/SD Card for Firmware Download Temporary Storage			
	Remote Management	ssh (secure shell into the device)			
	Telemetry	Telemetry Support with Xconf			Feature not verified.
Networking	LAN IP	Auto IP, DHCP			
	WAN IP	IPv4			
	Wi-Fi	Wi-Fi			
	BT	Bluez			Current version 5.45
Ports /Peripherals	Audio Output Ports	HDMI			
	HDMI	HDMI Out, HDCP Enforcement			
	Video Output Ports	HDMI			