



Name Description	Apple TV Generation 3	Apple TV Generation 4	Roku 3	Roku 4	Amazon Fire TV	Name Description	Nvidia Shield	TiVo Bolt	Microsoft Xbox One	Microsoft Xbox One S	Sony PlayStation 4
Retail Price	\$69	\$149	\$99	\$129	\$99	Retail Price	\$199	\$199	\$279	\$299	\$349
Dimensions HxWxD	0.9" x 3.9" x 3.9"	1.4" x 3.9" x 3.9"	1.0" x 3.5" x 3.5"	0.8" x 6.5" x 6.5"	0.7" x 4.5" x 4.5"	Dimensions	1.0" x 8.3" x 5.1"	1.8" x 11.4" x 7.3"	3.1" x 13.1" x 10.8"	2.5" x 11.6" x 9.0"	2.1" x 12" x 10.8"
Weight	0.45 lbs	0.93 lbs	0.31 lbs	0.9 lbs	0.6 lbs	Weight	1.43 lbs	1.9 lbs	8.0 lbs	6.4 lbs	6.1 lbs
Max Resolution	1080p	1080p	1080p	4K	4K	Max Resolution	4K	4K	1080p	4K	1080p
HDR Support	-	-	-	-	No	HDR Support	Yes	-	-	Yes	-
Video HDMI	Yes	Yes	Yes	Yes	Yes	Video HDMI	Yes	Yes	Yes (In/Out)	Yes (In/Out)	Yes
Audio Out HDMI	Yes	Yes	Yes	Yes	Yes	Audio Out HDMI	Yes	Yes	Yes	Yes	Yes
Audio Out Optical	Yes	-	-	Yes	-	Audio Out Optical	-	Yes	Yes	Yes	Yes
Wireless	802.11a/b/g/n	802.11ac MIMO	802.11 a/b/g/n MIMO	802.11ac MIMO	802.11ac MIMO	Wireless	802.11ac MIMO	802.11ac a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n
Ethernet	10/100	10/100	10/100	10/100	10/100	Ethernet	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000
USB Port	-	-	Yes	Yes	Yes	USB Port	Yes (x3)	Yes (x2)	Yes (x3)	Yes (x3)	Yes (x2)
Internal Storage	8GB	32GB	128MB	256MB	8GB	Internal Storage	16GB	500GB	500GB	500GB	500GB
Optical Disc Drive	-	-	256MB	-	-	Optical Disc Drive	-	-	Blu-ray/DVD	4K Blu-ray/DVD	Blu-ray/DVD
Card Slot:	-	-	microSD	microSD	microSD	Card Slot:	microSD	CableCARD	-	-	-
Web Browser	-	-	-	-	-	Web Browser	-	-	-	-	-
DLNA Support	-	-	Yes	Yes	-	DLNA Support	Yes	-	-	-	-
Protocol Support	HLS	HLS	HLS, MS Smooth Streaming, MPEG-DASH	HLS, MS Smooth Streaming, MPEG-DASH	HLS, MS Smooth Streaming, MPEG-DASH	Protocol Support	HLS	HLS, MS Smooth Streaming	HLS, MS Smooth Streaming	HLS, MS Smooth Streaming	Unknown
Video Formats/Codecs	MOV, MPG/MPEG, H.264, MP4, MKV H.264, MotionJPEG, DivX	MOV, MPG/MPEG, H.264, MP4, MKV H.264, MotionJPEG, DivX	H.264, MPEG4-SP	H.265, H.264, MPEG4-SP	H.265, H.264	Video Formats/Codecs	MPEG-2, MPEG-4, Xvid, DivX, WMV9, ASF, AVI, MKV, MOV, M2TS, MPEG-TS, H.263, H.264, H.265, VC-1, VP8, VP9	H.264, VC-1, MPEG2	H.264, MPEG4, AVC, AVI, MP4, WMV, MOV	H.265, H.264, MPEG4, AVC, AVI, MP4, WMV, MOV	AVI, MPEG/MPEG, AVC-HD, Windows Media, H.264, Motion JPEG, MPEG2/4, TS, C-1, WMV9, DivX
Audio Formats/Codecs	AAC, MP3/4, AIFF, WAV, Audio Formats/Codecs Dolby Digital, Apple Lossless	AAC, MP3/4, AIFF, WAV, Audio Formats/Codecs Dolby Digital, Apple Lossless	AAC-LC, HE-AAC, PCM, MP3, WMA, Opus, ALAC, FLAC, WMA-Pro; Pass Through of AC-3, E-AC-3, DTS	AAC-LC, HE-AAC, PCM, MP3, WMA, Opus, ALAC, FLAC, WMA-Pro; Pass Through of AC-3, E-AC-3, DTS	AAC-LC, AC3, eAC3, FLAC, MP3, PCM/Wave, Vorbis, Dolby Atmos	Audio Formats/Codecs	AAC, AAC+, eAAC+, MP3, WAVE, AMR, OGG Vorbis, FLAC, PCM, WMA, WMA-Pro, WMA-Lossless, DD+/DTS, DTS-HD MA, Dolby TrueHD, Dolby Atmos	AAC, MP3, Dolby Digital	AAC, MP3, WAV, WMA, DTS Surround Sound, Dolby Digital	AAC-LC, MPEG 1, MP3, WMA-Pro, DTS Surround Sound, DTS-HD HR, DTS-HD MA, Dolby Digital Live, Dolby Digital Plus, Dolby TrueHD	AAC, MP3/4, WMA, Dolby Digital, Dolby TrueHD, Dolby Digital Plus, LPCM
Acorn TV	-	Yes	Yes	Yes	Yes	Acorn TV	-	-	-	-	-
Amazon Instant Video	-	-	Yes	Yes	Yes	Amazon Instant Vid	-	Yes	Yes	Yes	Yes
Android TV	-	-	-	-	-	Android TV	Yes	-	-	-	-
Apple iTunes	Yes	Yes	-	-	-	Apple iTunes	-	-	-	-	-
CBS All Access	Yes	Yes	Yes	Yes	Yes	CBS All Access	Yes	-	Yes	Yes	-
Crunchyroll	Yes	Yes	Yes	Yes	-	Crunchyroll	Yes	-	Yes	Yes	Yes
Epix	-	-	Yes	Yes	-	Epix	Yes	-	Yes	Yes	Yes
Google Play	-	-	Yes	Yes	-	Google Play	Yes	-	-	-	-
HBO Go	Yes	Yes	Yes	Yes	Yes	HBO Go	Yes	Yes	Yes	Yes	Yes
HBO Now	Yes	Yes	Yes	Yes	Yes	HBO Now	Yes	-	Yes	Yes	Yes
Hulu	Yes	Yes	Yes	Yes	Yes	Hulu	Yes	Yes	Yes	Yes	Yes
MLB.TV	Yes	Yes	Yes	Yes	Yes	MLB.TV	Yes	Yes	Yes	Yes	Yes
MLS Live	Yes	Yes	Yes	Yes	-	MLS Live	-	-	-	-	-
NBA League Pass	Yes	Yes	Yes	Yes	Yes	NBA League Pass	Yes	-	Yes	Yes	Yes
Netflix	Yes	Yes	Yes	Yes	Yes	Netflix	Yes	Yes	Yes	Yes	Yes
NFL	Yes	Yes	Yes	Yes	-	NFL	-	-	Yes	Yes	Yes
NHL GameCenter	Yes	Yes	Yes	Yes	-	NHL GameCenter	-	-	Yes	Yes	Yes
Plex	-	Yes	Yes	Yes	Yes	Plex	Yes (+server)	Yes	Yes	Yes	Yes
Showtime Anytime	Yes	Yes	Yes	Yes	Yes	Showtime Anytime	Yes	-	Yes	Yes	Yes
Showtime Now	Yes	Yes	Yes	Yes	Yes	Showtime Now	Yes	-	Yes	Yes	Yes
Sling Player	Yes	Yes	Yes	Yes	Yes	Sling Player	-	-	-	-	-
Sling TV	-	Yes	Yes	Yes	Yes	Sling TV	Yes	-	Yes	Yes	Yes
Sony PlayStation Vue	-	-	Yes	Yes	Yes	Sony PlayStation Vue	-	-	-	-	-
Starz	-	Yes	Yes	Yes	Yes	Starz	Yes	-	Yes	Yes	Yes
UFC TV	Yes	Yes	Yes	Yes	Yes	UFC TV	Yes	-	Yes	Yes	Yes
Vudu	-	-	Yes	Yes	-	Vudu	Yes	Yes	Yes	Yes	Yes
WatchESPN	Yes	Yes	Yes	Yes	Yes	WatchESPN	Yes	-	Yes	Yes	Yes
WWE Network	Yes	Yes	Yes	Yes	Yes	WWE Network	Yes	Yes	Yes	Yes	Yes
YouTube	Yes	Yes	Yes	Yes	Yes	YouTube	Yes	Yes	Yes	Yes	Yes

Notes:

- Roku has five versions of their box that vary in price and specs including a streaming stick
- Amazon has a streaming stick in addition to their streaming box
- TiVo has multiple models of their DVR that vary in price and specs
- Microsoft's Xbox and Sony's PS4 are available in multiple configurations and price points

- Additional movies and TV shows are available via Microsoft and Sony's console platforms
- The following devices have all been discontinued: Vizio Co-Star, D-Link MovieNite Plus, Boxee Box by D-Link, Hisense Pulse, Google Nexus Player, Sony SMP-N200, Seagate GoFlexTV, Logitech Revue, Sony Internet Player, Netgear NeoTV Prime.

Questions, feedback, and corrections can be sent to mail@danrayburn.com.

Digital copies of the chart are available at www.StreamingMediaDevices.com.