

The new firmware also brings support for overscan adjustment (particularly useful for display sinks that

tend to overscan, resulting in a cropped view of the interface). Most TVs don't need this.

Other enhancements include native 4K rendering for select Android games (*Beach Buggy Racing*, *Bombsquad*, *Hardwood Solitaire IV*, *Riptide GP 2*, *Kosmik Revenge*, *Video Poker Duel*, *Leo's Fortune*, *Machinarium*, *Meltdown*, *Never Alone*, *Samurai II*, and *Sky Gamblers: Storm Raiders*), ability to transfer data between USB storage and a microSD card, ability to manually turn off the SHIELD controller and lowering the audio latency by as much as 40ms compared to standard Android. The last aspect is especially important for gaming, and it will be one of the prime reasons to pick up the update before checking out the GeForce NOW cloud game streaming service that is getting launched today.

NVIDIA has also updated the table comparing the SHIELD Android TV to the competition. The latest version is reproduced below. As usual, these are NVIDIA's claims and need to be taken with a pinch of salt.

	Angela Tri	Annala Thi	Dalus C	Fine TM	
Feature	Apple TV	Apple TV (2015)	Roku 3	Fire TV (2015)	SHIELD
Raw Performance	1x	12x	1.3x	7x	34x
UI Performance	Average	Good	Average	Good	Best
Voice Recognition	Not Supported	Good	Limited	Good	Best
4K videos	No	No	No	Yes	Yes, 60 fps
10-bit Color (ITU-R BT- 2020) and HDR video	No	No	No	TBD	Yes
Netflix 4K videos	No	No	No	Yes	Yes
24-bit/192 KHz Audio output	No	No	No	Yes	Yes
H.265 and VP9 support	No	No	No	No VP9	Yes
HDMI 2.0 and HDCP2.2	No	No	No	4K 30	Yes – 4K 60
HDMI-CEC	No	Yes	No	No	Yes
Gaming Performance	Poor	OK	Poor	OK	Best
Cloud Gaming	Not	Not	Not	Not	Best
Experience	Supported	Supported	Supported	Supported	
System Memory	512 MB	2 GB	512 MB	2 GB	3 GB
Storage Capacity	8 GB	32 GB	256 MB	8 GB	16 GB
USB 3.0 ports	0	0	0	0	2
USB 2.0 ports	i1	0 (only for support)	1	1	1
Wi-Fi Speed	802.11n	802.11ac	802.11n	802.11ac	802.11ac
Ethernet Speed	100 Mbps	100 Mbps	100 Mbps	100 Mbps	1000 Mbps
MicroSD slot	No	No	No	No	Yes
Controller/Remote Features					
Console Grade Controller	None	None	None	No	Yes
Low Latency Controller	None	None	None	No	Yes
Headset Jack on Controller or Remote	No	No	Yes	No – Remote; Yes-controller	Yes – both
Microphone input on Controller or Remote	No	Yes	Yes	Yes	Yes
Rechargeable battery	No	Yes	No	No	Yes

We did go through the various aspects with concrete 'yes' or 'no' answers and the table seems to line up well with the actual specifications of the competitors' products. The SHIELD Android TV continues to justify the premium flagship tag despite recent entrants such as the 2015 Apple TV and the Amazon 4K Fire TV. NVIDIA's willingness to also focus on local media playback is good news for the general consumers as well as HTPC enthusiasts. For this reason alone, we can and do recommend the SHIELD Android TV over competing OTT STBs.

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nathanddrews - Wednesday, September 30, 2015 - link VERY important update!

"Adds pass-through support for Dolby TrueHD and DTS-HD Master Audio lossless audio*"

Is the asterisk a typo or is there something special we should know about the passthrough support?

jublin - Wednesday, September 30, 2015 - link Probably an asterisk to say you must have a compatible receiver, for the cover-your-arse aspect.

REPLY

REPLY

JohnGalt1717 - Wednesday, September 30, 2015 - link The * means that the app has to support it first. So Plex etc. have to be updated first.

Any idea when this will be available? Mine still isn't showing up.

Also any rumored availability of Amazon Instant Video? I'm using my xbox one right now because of no Amazon and Plex not having delete functions among the list above and would love to use the Shield instead.

DigitalFreak - Wednesday, September 30, 2015 - link The update will be available tomorrow (10/1). OF THE STORM

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TWEETS

IanCutress: I've been running automated 4v4 Rocket League benchmarks this week with random inputs. Just saw the character score for the first time. HA

IanCutress: @ServeTheHome
@ryanshrout :D

IanCutress: @ServeTheHome @ryanshrout is that all?

IanCutress: @ryanshrout Software has to be NUMA aware, be able to pin DRAM to CPUs to maintain low latency. Most software isn't. Hopefully Premiere is

IanCutress: @ryanshrout it has access, but you might get cross-QPI memory access which increases latency and code stalls. Research NUMA on dual proc

ganeshts: @eddychik In an ideal world,yes,encoding should be free. But,if a co. takes commercial adv. of a codec,it's fair they pay reasonable amt.

ganeshts: @undecidability @eddychik Any 3rd party test reports to support 'VP9 is practically as good as HEVC'?

ganeshts: Really happy with the focus that NVIDIA is putting on local media playback - something that most OTT STBs ignore https://t.co/9ttdKkVVpE

RyanSmithAT: @noahcrowley @codinghorror It definitely depends on the workload though. If you are single-threaded bound, you do want a big fast core

RyanSmithAT: @theotherlinh @JoshuaHo96 So we could draw some conclusions, but I would be uncomfortable without a second OS for the A57 results

RyanSmithAT: @theotherlinh @JoshuaHo96 The problem with doing a great analysis is that you can't get the same processor on iOS and Android

RyanSmithAT: @scottwasson As excited as you are right now Scott, is coffee such a good idea?

ganeshts: .@GetKuna Being able
to operate the #smarthome
without being completely reliant
on the cloud

ganeshts: @SFoskett @edswindelles Would appreciate it if you didn't confuse @anandtech with Ars :) Link points to AT, text says Ars

RyanSmithAT: RT @anandtech: iPhone 6s and iPhone 6s Plus Preliminary Results http://t.co/cul1pnwMUw

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JohnGalt1717 - Wednesday, September 30, 2015 - link Excellent! Thanks!



REPLY

REPLY

Kerome - Wednesday, September 30, 2015 - link

There doesn't seem to be that much interest in this box... Why don't they go the standard platform owners route and create some high end platform specific content to draw the crowds?

Morawka - Wednesday, September 30, 2015 - link

its the only real 4k streaming box and it's being advertised as such.. Best buy picking this up will really push sales.

Anyone serious about watching 4k content on their new 4k tv, is throwing their money at nvidia right now.



schizoide - Wednesday, September 30, 2015 - link

It's very clear that the ShieldTV is the best media streamer on the market, by most measures. It only lacks HBO GO and Amazon video, and HBO GO is supposedly "coming soon" (promised since June).

Thing is, the FireTV is literally _half_ the price. Oh, and it supports HBO GO and Amazon video, right now. Kodi runs great too.

Is the FireTV as snappy as the ShieldTV? Certainly not. But even the old FireTV is more than fast enough to stream video, and the new one is twice as fast. Again, coming in at \$99.

jm9843 - Wednesday, September 30, 2015 - link FireTV also has half the capabilities if we're being generous.

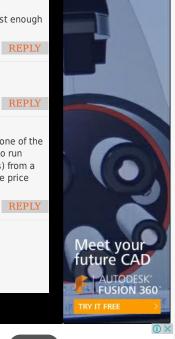
REPLY

Wolfpup - Wednesday, September 30, 2015 - link

Depends on what capabilities you're looking at. IMO a media streamer that can't stream one of the big services is pointless. Yeah Shield is more powerful, but why do I care? I'm not going to run games or programs on it, I'm using a PC or console for that. It can stream games (I guess) from a PC with a recent Nvidia GPU, but that's its draw IMO, and the Steam box thingee is 1/4 the price (not sure whether Nvidia or Steam's streaming support for all games is better though).

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