Processor

NVIDIA® Tegra® X1+ processor with a 256-core NVIDIA GPU and 2 GB RAM

Video Features

4K HDR Ready
Dolby Vision HDR and HDR10

AI-enhanced upscaling for 720p/1080p to 4K up to 30 FPS
Up to 4K HDR playback at 60 FPS (H.265/HEVC)
Up to 4K playback at 60 FPS (VP8, VP9, H.264, MPEG1/2)
Up to 1080p playback at 60 FPS (H.263, MJPEG, MPEG4, WMV9/VC1)

Audio

Dolby Audio (Dolby Digital, Dolby Digital Plus, Dolby Atmos)
DTS-X surround sound (pass-through) over HDMI
High-resolution audio playback up to 24-bit/192 kHz over HDMI
Audio support: AAC, AAC+, eAAC+, MP3, WAVE, AMR, OGG Vorbis, FLAC, PCM, WMA,
WMA-Pro, WMA-Lossless, Digital Plus, Dolby Atmos, Dolby TrueHD (pass-through), DTS-X (pass-through), and DTS-HD (pass-through)

Weight & Size

Weight: 4.83 oz / 137 g
Height: 1.57 in / 4 cm
Width: 1.57 in / 4 cm
Depth: 6.5 in / 16.5 cm

Storage

8GB*
*Portion of storage occupied by system software
Expandable via microSD

Wireless

802.11ac 2x2 MIMO 2.4 GHz and 5 GHz Wi-Fi
Bluetooth 5.0 + LE
Captive Portal support

Interfaces

Gigabit Ethernet
HDMI 2.0b with HDCP 2.2 and CEC support
MicroSD card slot

Operating System

Android 9.0 (Pie) powered by Android TV™ with Chromecast 4K built-in

Software Updates

SHIELD Experience Upgrades directly from NVIDIA
Built in Voice Control
The Google Assistant

Hands-free Voice Control†
Google Home compatible (Google Assistant)*
Amazon Echo compatible (Works with Alexa)*

Remote

SHIELD Remote
> Microphone for voice search and commands
> Motion-activated backlit buttons
> Bluetooth connectivity
> IR blaster for control of volume and power on TVs, soundbars, or receivers
> Remote locator for finding a lost remote
> 2x AAA batteries included
Power

Built-in power supply

Gaming Features

**NVIDIA GeForce NOW™** game streaming service (compatible game controller or keyboard/mouse is required)

**NVIDIA GameStream™** (requires compatible GeForce RTX™ or GTX-powered PC)
Android gaming via Google Play Store

Included Apps

NVIDIA Games
Netflix
YouTube
Amazon Prime Video
Google Play Movies & TV
Vudu
Amazon Music
Google Play Store
Google Play Music
PLEX
Google Play Games