# 4K RESOLUTIONS: SMART TV

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### Objectives

- What is 4K Resolution?
- Prices of TV in 4K Resolutions!
- What are compatibles, or devices to 4K Resolution?
- What if on Networks, Operation Systems, Blue Rays, Game Console?

### What is 4K Resolution?

■ 4K resolution, also called 4K, refers to a display device or content having horizontal resolution on the order of 4,000 pixels and vertical resolution on the order of 2000 pixels.[1] Several 4K resolutions exist in the fields of digital television and digital cinematography. In the movie projection industry, Digital Cinema Initiatives (DCI) is the dominant 4K standard. In television and consumer media, 4K UHD or UHD-1 is the dominant 4K standard. By 2015, 4K television market share had increased greatly as prices fell dramatically during 2014<sup>[2]</sup> and 2015. By 2025, more than half of US households are expected to have a 4K-capable TV (2160p), which would be much faster than the adoption curve of FullHD (1080p).[3]

### Prices of the 4K Resolutions

#### Prices:

- 1. Sony 55" is \$800.00 dollars and up in 4K Resolutions
- 2. Samsung 50" is \$600.00 dollars and up
- 3. Sharp 43" is about \$400.00
- 4. LG 50" is \$500.00 dollars and up

The prices of each 4k Resolution varies, if you need to check like Walmart, SAM Club, Costso, Best Buy, Amazon, B.J. Warehouse.

## What are compatibles, or devices to 4K Resolution?

- The cable box are wireless, compatible to the 4K Resolutions,
- The cable box are Comcast, RCN, XFINITY, FIOS, Time Warner CABLE OF NYC (Now called Spectrum) and DirectTV.
- Other Devices for the 4K Resolutions are being compatibles like projector, camera, monitors(being adaptive for 4K Resolutions)

#### What if on Networks, Operation Systems, Blue Rays, Game Console?

#### Networks -

- 1. 4K Video Streaming being used in 2013
- 2. Bandwidth being used in 2013, the speed is 15.6 mbps.
- Monitors are more improved than the old monitors are being used today. In 2016, the new monitors are being pushed more pixels, packing more resolution, protective on hacking.
- Operation Systems:
- Microsoft Win 10 are being adaptive, compliance on using for 4K Resolution.
- 2. Apple iMac, Mac Books are being compliance since 2015.
- 3. Smart TV are being adaptive to a no name operating system by using MIPS chipset to the modern operating systems
- Smart TV are called connected TV, interface and web/internet connectivity, also SmartTV is being used on a platform, the 4K ultra HD TVs on the market are smart platform-enabled.

## What if on Networks, Operation Systems, Blue Rays, Game Console?

- Blue Rays are being known as 4K Blue Ray, where you need to use: Ultra HD Blu-ray player for the 4K Movies.
- 4K movies: 4K movies and 4K reviews, 4K Blu-ray release dates for new and upcoming 4K movies, 4K Blu-ray players, 4K TVs, 4K projectors and 4K receivers. Check back often as we'll be posting new 4K movie reviews as more and more 4K movies are released on 4K Blu-ray.
- 4K Movies are being developed, being used on the new movies, re-visited of the old movies.

## What if on Networks, Operation Systems, Blue Rays, Game Console?

- Game Console are going to be adaptive for 4K:
- Microsoft XBOX Scorpio would be released early 2017 Holiday, compatible to the 4k Resolutions
- 2. Playstation Vue haven't been compatible adaptive to 4K Resolution, which in few years Playstation Vue would be able to adaptive for 4K, for now Playstation Vue is being used/working on 1080p first.
- Sony Playstation 4 is going to support games, video in 4k Reolution . The Playstation 4 is going to be called as "NEO". As the current generation, NEO of Playstion 4 is asking prices is \$399.00 with the Playstation VR Headset in October, 2016.

#### Conclusion

- Since 2013 4K is still being used, developed, adjustable in our daily lives.
- Cable Companies are complying to the FCC in 2016
- Game Consoles are being adaptive in late 2016 for holiday season.
- Videostreaming, Bandwidth still being developed but it needs more improvement on the 4k resolution.

#### Citation

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