



Cut The Cord

What Does Life Without Cable Look Like?



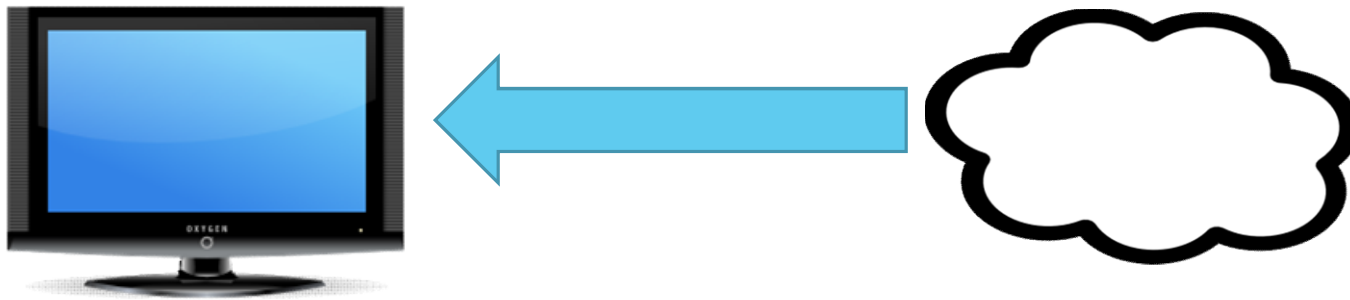
Disclaimer

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- ▶ The speaker does not work for or receive compensation from any company, organization, media outlet or product presented today.
- ▶ The choices are enormous. We are not going to cover everything, but we will discuss major trends and numerous options.

What we'll talk about today:

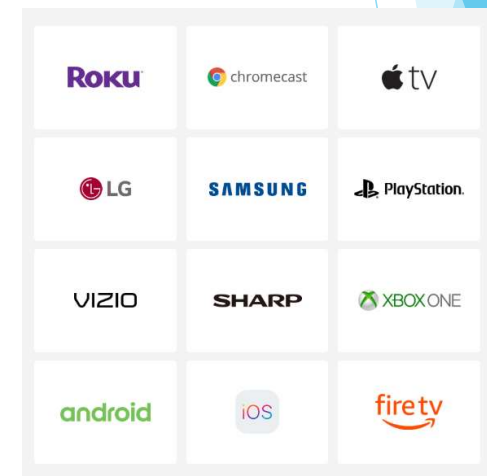
- ▶ What is Streaming?
- ▶ How to stream content on your TV, the basics.
- ▶ Streaming devices and Media Services, so many choices!
- ▶ Broadcast options, local TV, sports.
- ▶ Cost/Comparisons
- ▶ Resources

What is Streaming



How to Stream on your TV








- ▶ You MUST HAVE an Internet Connection!
- ▶ How big (Mbps) will depend on how many devices will be connected.
- ▶ Connect TV to the Internet
 - ▶ Any digital TV with laptop or tablet physically connected to the Internet
 - ▶ SMART TV with built in apps, these can be wired or Wi-Fi
 - ▶ Any digital TV with streaming device such as Roku, Amazon Fire, Chromecast, etc. These are wireless devices and require Wi-Fi setup in your home.
 - ▶ You may use a Blu-Ray player or console game system with internet connection.
- ▶ Some people are using only portable devices and are no longer buying televisions!



Streaming Devices Smart TVs

- ▶ Access online content without a separate, streaming device
- ▶ Approximately 76% of TVs on the market today are Smart
- ▶ Limited content available, most only include Netflix, Hulu, Amazon and YouTube (subscriptions not included in cost of TV) but the list is growing.

54 of 240 Models Shown

		Features & Specs							
Overall score	Brand & Model / Price	Native resolution	Overall height (in.)	Overall width (in.)	Overall depth (in.)	Frame rate (Hz)	WiFi	Streaming services	HDMI inputs
55- to 59-inch TVs									
OVERALL SCORE 88	LG OLED55C7P Recommended Price: \$1,700		3840x2160	29.5	48.4	8.5	NA	Netflix, YouTube, Amazon Prime Video and Hulu	4
OVERALL SCORE 88	Sony Bravia XBR-55A1E Recommended Price: \$2,800		3840x2160	28	48.38	13.38	NA	Netflix, YouTube, Amazon Prime Video, Hulu, HBO Go and HBO Now	4
OVERALL SCORE 86	LG OLED55E7P Recommended Price: \$2,800		3840x2160	30.2	48.7	6.9	NA	Netflix, YouTube, Amazon Prime Video and Hulu	4
OVERALL SCORE 86	LG OLED55B7A Recommended Price: \$1,600		3840x2160	29.9	48.4	8.9	NA	Netflix, YouTube, Amazon Prime Video and Hulu	4
OVERALL SCORE 81	Sony XBR-55X930E Recommended Price: \$1,500		3840x2160	31.13	48.63	11.13	960	Netflix, YouTube, Amazon Prime Video, Hulu, HBO Go and HBO Now	4
OVERALL SCORE 78	Samsung UN55MU9000 Recommended Price: \$1,100		3840x2160	31.3	48.4	13.8	240	Netflix, YouTube, Amazon Prime Video, Hulu, HBO Go and HBO Now	4
OVERALL SCORE 78	Samsung QN55Q7F Recommended Price: \$1,500		3840x2160	31	48.2	11.2	240	Netflix, YouTube, Amazon Prime Video, Hulu, HBO Go and HBO Now	4







Streaming Devices

- ▶ Roku
- ▶ Google Chromecast
- ▶ Amazon Fire TV
- ▶ Apple TV
- ▶ Blu-ray players
- ▶ Console Video Games (xbox, wii, PlayStation)

CR Consumer Reports

8 of 8 Models Shown

1 2 3 4 5
 Poor Fair Good Very Good Excellent

		Ratings & Test Results				
		Picture quality	Features	Everyday use	Connectivity	First time setup
Overall score	Brand & Model / Price					
4K Streaming Media Devices						
OVERALL SCORE 82	Roku Ultra Recommended Price: \$100.00					
OVERALL SCORE 80	Google Chromecast Ultra Best Buy Price: \$70.00					
OVERALL SCORE 78	Apple Apple TV 4K (32GB) Recommended Price: \$180					
OVERALL SCORE 77	Roku Streaming Stick + Best Buy Price: \$70.00					
OVERALL SCORE 76	Amazon Fire TV with 4K Ultra HD and Alexa Voice Remote Best Buy Price: \$70.00					
HD Streaming Media Devices						
OVERALL SCORE 75	Google Chromecast (2nd Gen) Best Buy Price: \$35.00					

<https://www.consumerreports.org/streaming-media-devices/streaming-media-devices/>

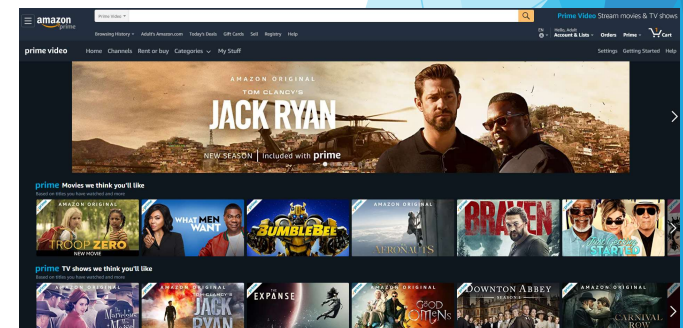
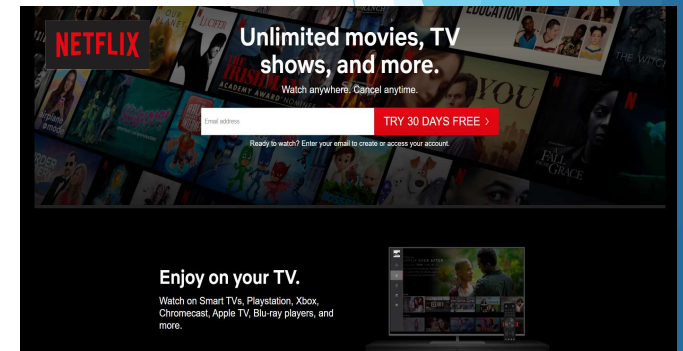
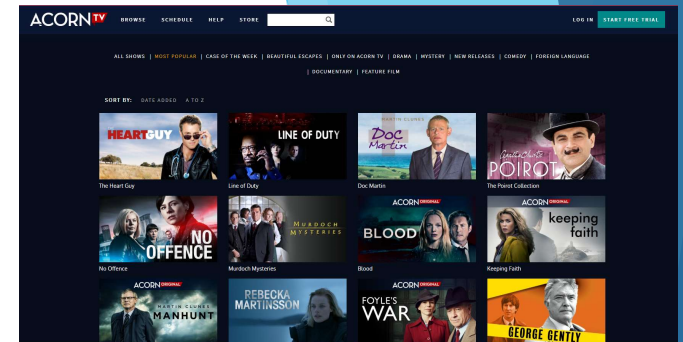
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Streaming Services

Monthly Subscriptions*

- ▶ Acorn - BBC lovers this option is only \$6.99/month or \$69.99/year.
- ▶ Netflix - the first, and still most popular, service prices range from \$6.99 to \$19.99/month. Lots of popular original content. Watch on up to 4 screens at a time.
- ▶ Prime Video- part of your Amazon Prime subscription (\$139/year) or as stand alone service for \$8.99/month. Add-ons can include HBO Max (\$15.99/month), MGM+ (\$5.99/month), MLB.TV (\$24.99/month), Noggin (\$7.99/month), etc.

*No Contract! If you don't like one, switch next month and try something new.



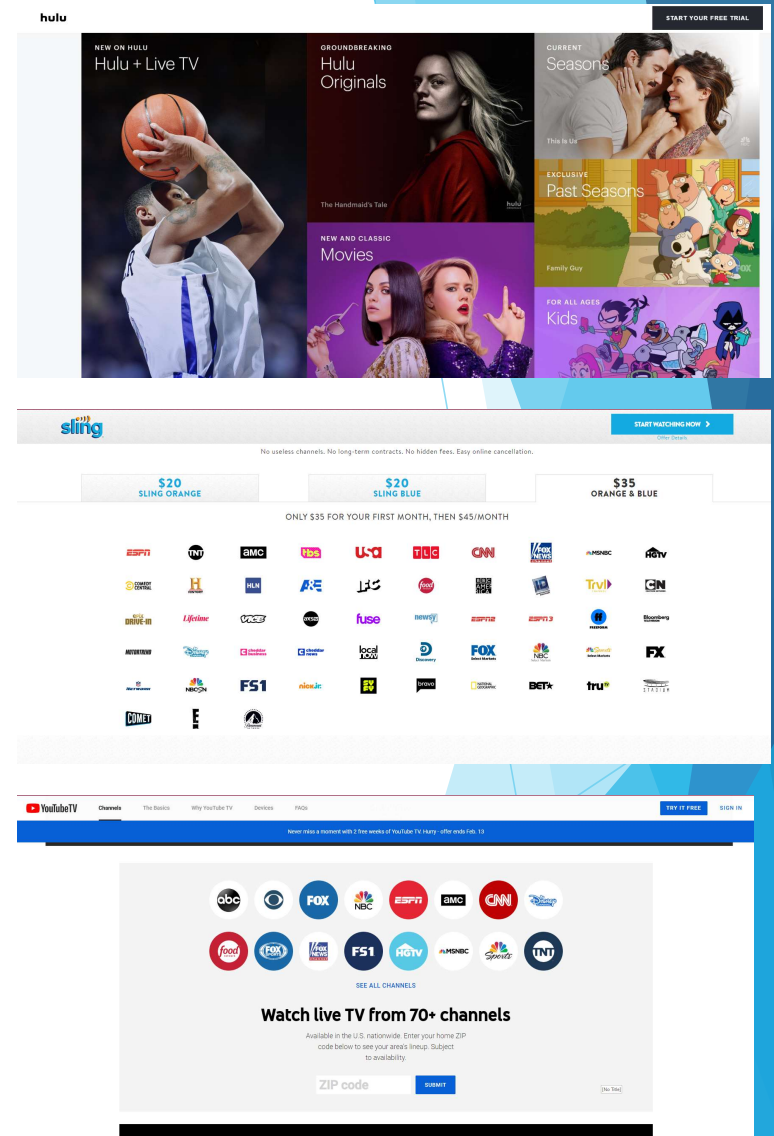
Channels Available Through Prime:

Prime Video Channel	Free Trial Length	Monthly Price
A&E Crime Central	7 days	\$4.99
Acorn TV	7 days	\$6.99
ALLBLK	7 days	\$5.99
AMC+	7 days	\$8.99
Britbox	7 days	\$7.99
Boomerang	7 days	\$5.99
Cinemax	7 days	\$9.99
CuriosityStream	7 days	\$2.99
Gaia	7 days	\$11.99
Hallmark Movies Now	7 days	\$5.99
Lifetime Movie Club	7 days	\$4.99
Max	7 days	\$15.99
MGM+	7 days	\$5.99
MLB.TV	7 days	From \$24.99
Noggin	30 days	\$7.99
Paramount+	7 days	\$11.99
PBS Documentaries	7 days	\$3.99
PBS KIDS	7 days	\$4.99
PBS Masterpiece	7 days	\$5.99
ScreenPix	7 days	\$2.99
Shudder	7 days	\$5.99
Starz	7 days	\$9.99
ViX Premium	7 days	\$6.99

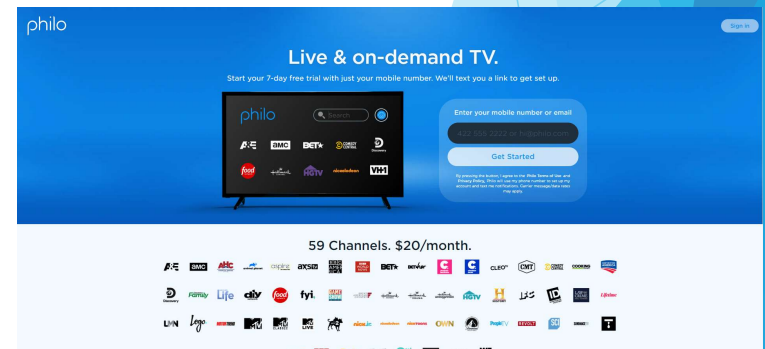
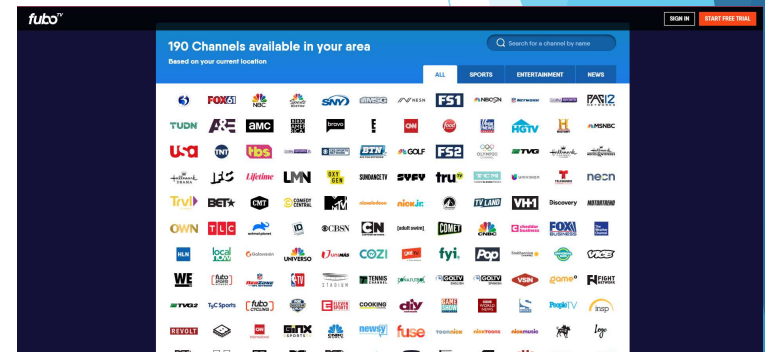
Streaming Services

Monthly Subscriptions*

- ▶ Hulu - \$7.99/month or \$79.99/month with commercials (or \$14.99 a month with no ads). \$69.99/month with live TV with commercials get Disney+ and ESPN+ (or \$82.99 a month with no ads).
- ▶ Sling TV between \$20 - \$55/month depending on option (orange for 32 channels, blue for 40 channels, or orange and blue for \$55). Can only be used one device at a time, unless you pay extra.
- ▶ YouTube TV - \$72.99/month Original YouTube content plus broadcast and cable channels, and all the Sports! Can do add-ons if you choose.



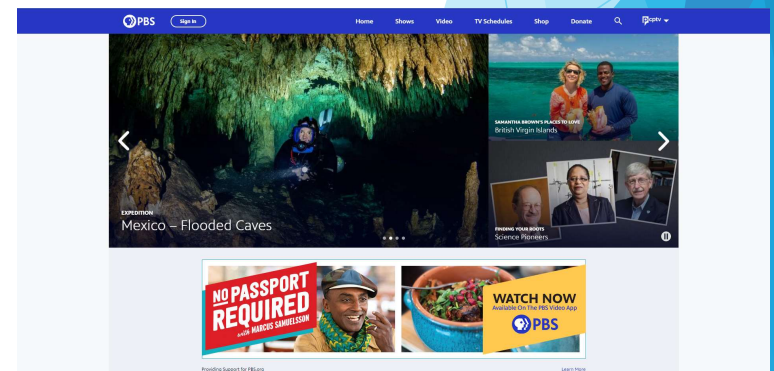
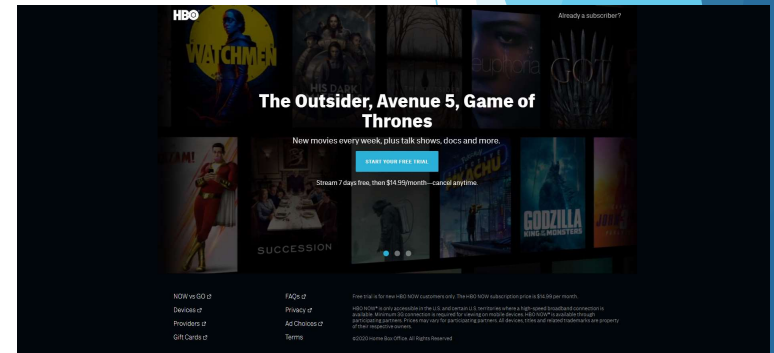
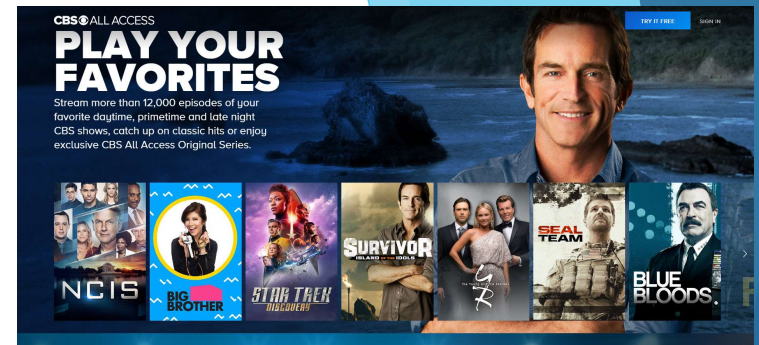
- ▶ DirectTV Stream - \$79.99/month for 75+ channels and on demand movies. \$109/month for 140+ channels (AT&T). Stream on unlimited devices.
- ▶ Fubo TV - \$75/month for 173 channels of live TV with Cloud DVR and many options for sports lovers, \$84.99 for elite. Up to 10 screens at once.
- ▶ Philo - \$25/month for cable TV channels, live or on-demand. Started in 2009 at Harvard University!
- ▶ Frndly TV-\$7-\$11 a month (basic to premium-premium allows 4 screens at once, and DVRs saved up to 9 months).



Streaming Services

The Networks

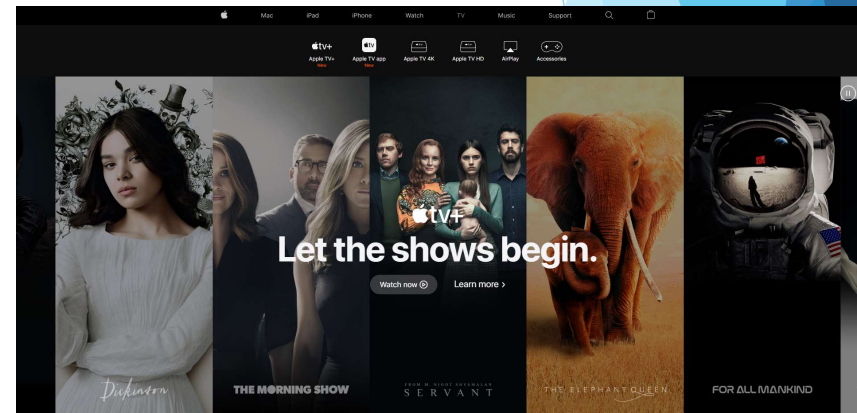
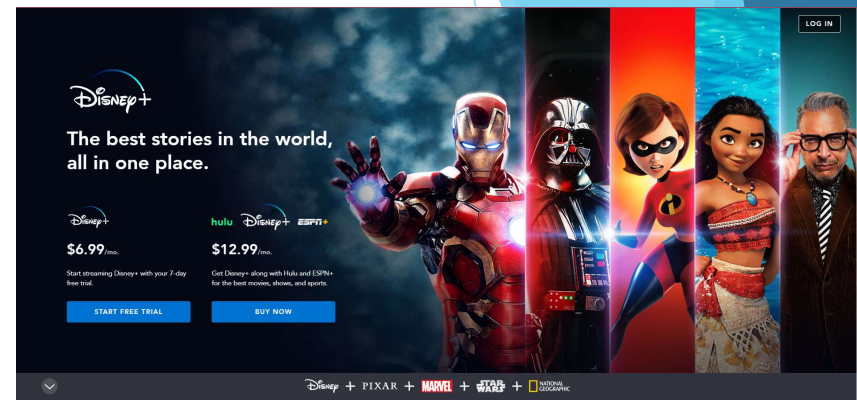
- ▶ Paramount+- \$6/month includes commercials, \$12/month commercial free. Watch all the top-rated shows (old & new) and new original programming including Twilight Zone, Yellowjackets, Your Honor, and Mayor Kingstown. Can also get it bundled with Showtime for \$119/year.
- ▶ Max - \$9.99/month for movies and HBO originals (and Sesame Street!), \$15.99/month for no ads (both mentioned up to 2 screens). \$19.99/month up to 4 screens, ad-free.
- ▶ Starz (\$8.99/month, \$74.99/year), AMC+ (\$8.99/month, \$83.88/year), Peacock (NBC) (\$5.99/month with ads, \$11.99/month with no ads)



Streaming Services

The Newbies

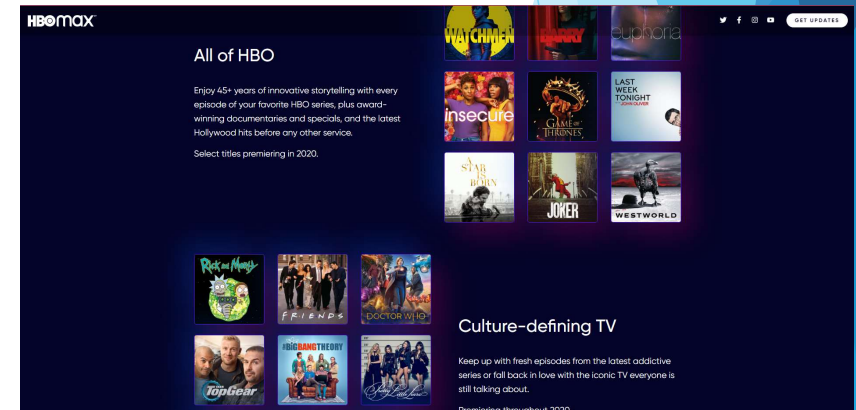
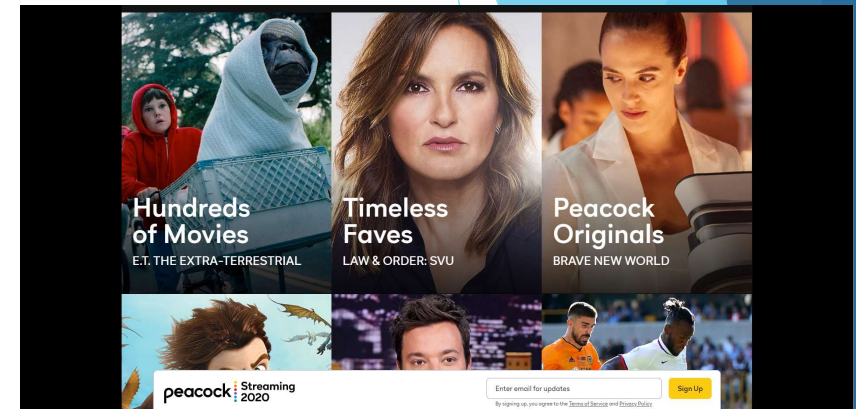
- ▶ Disney+ - \$8/month regular, \$11/month premium (no ads). Disney's own content plus Star Wars, Marvel, Pixar and National Geographic. All Disney Channel movies and shows, and older sitcoms. Besides The Mandalorian, new Marvel shows are in the works.
- ▶ Apple TV+ - \$6.99/month; 3 months included with purchase of a new Apple phone, tablet, laptop or TV (not smartwatch). Mostly original content from Oprah, Spielberg, JJ Abrams, Shyamalan. Ability to add premium channels at same cost.



Free, YES FREE, Streaming Apps:

- ▶ Pluto TV
- ▶ Freevee
- ▶ Roku Channel
- ▶ Tubi TV
- ▶ Vudu
- ▶ Sling Freestream
- ▶ Xumo (live news and sports)

**MANY HAVE OLDER SHOWS AND MOVIES, BUT SOME DO
HAVE NEWBIES MIXED IN**



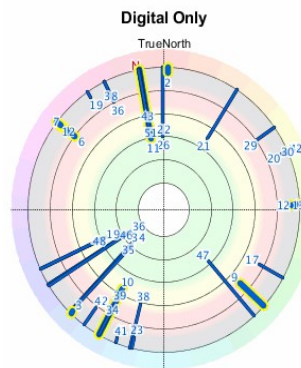
Broadcast Options

Number One Question - How can I watch local programming without cable or satellite?

- ▶ Keep basic cable (starting around \$20-25/month for 10+ channels)-also Xfinity Stream; Cox does a Starter package for \$25/month for 75 channels
- ▶ HD Antenna
- ▶ Streaming Services: most of these include some or all broadcast channels
 - ▶ Sling
 - ▶ YouTube TV
 - ▶ Hulu
 - ▶ Fubo
 - ▶ DirectTV Stream
 - ▶ Philo

Broadcast Options Antennas

- ▶ Indoor Antennas can cost as little as \$20 or as much as \$70
- ▶ Can be installed easily, just like hanging a picture
- ▶ Experiment with placement for best reception
- ▶ Tvfool.com or AntennaWeb.org can give you the latest on which channels you can receive based on where you live



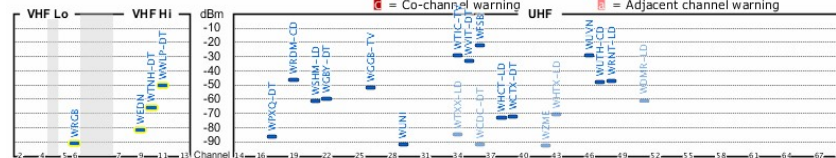
Search Criteria

Lat: 41.85***
Lon: -72.64***
Height: 10.0 ft.

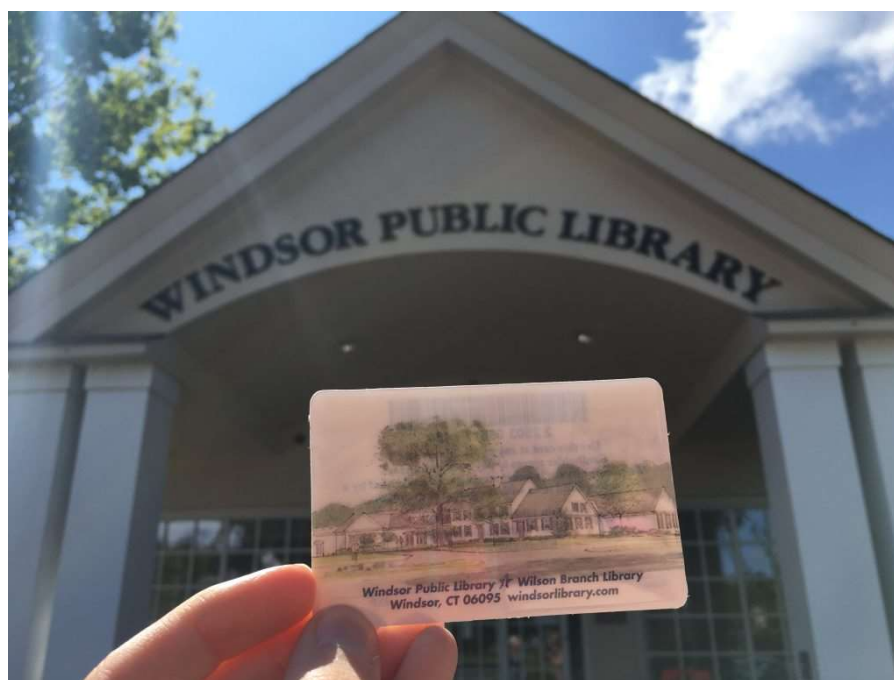
db datecode
201801291705

www.tvfool.com

Callsign	Real	Channel	Netw	NM(db)	Signal	Path	Dist	Azimuth
							miles	True (Mag)
WFSB	36	CBS	68.5	-22.4	LOS	9.7	239°	(252°)
WTIC-TV	34	Fox	61.9	-28.9	LOS	13.9	224°	(238°)
WUVN	46 (18.1)	Un1	61.4	-29.5	LOS	9.6	238°	(251°)
WVIT-DT	35 (30.1)	NBC	58.0	-32.9	LOS	14.1	224°	(237°)
WRDM-CD	19		44.5	-46.4	LOS	8.7	246°	(259°)
WRNT-LD	48		43.9	-46.9	LOS	8.7	246°	(259°)
WUTH-CD	47		42.7	-48.1	LOS	13.0	138°	(152°)
WWLP-DT	11 (22.1)	NBC	40.7	-50.1	LOS	16.6	349°	(3°)
WGBB-TV	26	ABC	39.1	-51.8	1Edge	27.1	360°	(13°)
WGBY-DT	22 (57.1)	PBS	31.0	-59.9	1Edge	27.1	360°	(13°)
WDMR-LD	51		30.0	-60.8	1Edge	16.6	350°	(3°)
WSHM-LD	21		29.5	-61.3	LOS	22.3	33°	(46°)
WTNH-DT	10 (8.1)	ABC	24.7	-66.2	2Edge	33.4	209°	(222°)
WHTX-LD	43 (10.1)		20.0	-70.9	1Edge	16.5	349°	(3°)
WCTX-DT	39 (59.1)	MyN	19.0	-71.8	2Edge	33.4	209°	(222°)
WHCT-LD	38		17.9	-72.9	1Edge	5.9	194°	(208°)
WEDN	9	PBS	9.1	-81.7	2Edge	33.5	132°	(146°)
WXXX-LD	34		6.3	-84.6	2Edge	32.6	209°	(222°)
WPXQ-DT	17 (69.1)	ION	4.6	-86.3	2Edge	50.8	118°	(132°)
WRGB	6 (6.1)	CBS	-0.1	-90.9	2Edge	88.2	308°	(322°)
WCDC-DT	36 (19.1)	ABC	-0.8	-91.6	1Edge	60.7	334°	(348°)
WUNI	29 (27.1)	Un1	-0.9	-91.7	2Edge	58.4	55°	(68°)
WZME	42 (43.1)		-2.0	-92.9	2Edge	41.4	216°	(230°)
WFTY-DT	23	Te1	-11.3	-102.1	2Edge	68.1	194°	(207°)
WNAC-DT	12 (64.1)	Fox	-12.6	-103.4	2Edge	70.3	88°	(102°)
WPR1-TV	13 (12.1)	CBS	-13.1	-104.0	2Edge	70.3	88°	(102°)
W3BD-LD	38		-13.8	-104.6	1Edge	60.7	334°	(348°)
WCVB-TV	20	ABC	-13.8	-104.7	2Edge	79.1	66°	(79°)
WBZ-TV	30	CBS	-14.1	-104.9	2Edge	79.1	66°	(79°)
WRGB	19	CBS	-14.7	-105.6	2Edge	58.2	326°	(339°)
WNYT	12	NBC	-15.0	-105.9	2Edge	88.2	308°	(322°)
WYCX-CD	2		-15.4	-106.3	2Edge	77.7	2°	(15°)
WXXA-TV	7 (23.1)	Fox	-15.5	-106.3	2Edge	88.2	308°	(322°)
WEDY	41		-16.2	-107.1	2Edge	38.4	201°	(214°)
WHDH-TV	42 (7.1)	NBC	-17.2	-108.0	Tropo	80.1	66°	(80°)
WJLP	3 (33.1)		-17.8	-108.6	2Edge	102.8	223°	(237°)
WLVI	41	CW	-17.9	-108.7	2Edge	79.7	66°	(80°)
WGBH-TV	19	PBS	-19.2	-110.1	Tropo	79.1	66°	(79°)
WPXT-DT	31 (25.1)	Fox	-19.3	-110.2	2Edge	79.7	66°	(80°)
WRNN-DT	48 (48.1)	Ind	-20.0	-110.9	2Edge	71.9	250°	(264°)
WBIN-TV	27		-21.9	-112.7	2Edge	69.7	58°	(71°)
WUTB-DT	27 (66.1)	Te1	-21.9	-112.7	2Edge	69.7	58°	(71°)
WTVB-TV	27 (54.1)	Ind	-23.0	-113.9	2Edge	71.9	250°	(264°)
WSBK-DT	39 (38.1)	Ind	-23.4	-114.2	2Edge	79.1	66°	(80°)
WMHT-DT	34 (17.1)	PBS	-23.5	-114.3	2Edge	88.2	308°	(322°)
WENH-TV	11 (11.1)	PBS	-23.7	-114.5	2Edge	117.4	38°	(52°)
WORK-LP	3 (33.1)		-24.0	-114.9	2Edge	114.3	36°	(49°)
WLWC	22	CW	-24.2	-115.0	Tropo	88.8	93°	(106°)
WABC-TV	7	ABC	-24.4	-115.2	Tropo	105.9	223°	(236°)
WGBX-TV	43	PBS	-24.5	-115.4	2Edge	79.1	66°	(79°)
WMBC-TV	18 (63.1)	Ind	-24.7	-115.6	Tropo	105.6	231°	(244°)



What is the best option to watch your favorite shows and movies for free?



Windsor Library Can Help!



DON'T FORGET:

**WPL HAS A MASSIVE DVD COLLECTION-
TV Series, Regular Movies, Non-Fiction
DVD's, even Travel DVD's-**

You name it, we got it!

Resources - Websites

- ▶ Cord Cutters News www.cordcuttersnews.com
- ▶ Tom's Guide www.tomsguide.com
- ▶ Grounded Reason www.groundedreason.com
- ▶ PC Mag www.pcmag.com
- ▶ CNET: www.cnet.com
- ▶ Consumer Reports www.windsorlibrary.com use your library card to access
- ▶ Digital Trends www.digitaltrends.com
- ▶ Mashable www.mashable.com