



## GALAXY 30 / TR 21C TECHNICAL INFORMATION

Satellite & Transmission			
Satellite	Galaxy 30	Video Format	NTSC 1080i
Transponder	21C	Compression	HEVC (H.265)
Orbital Pos.	125° West	Transport System	DVB-S2 16APSK
Polarization	Horizontal	Symbol Rate	34.286 MS/s
Downlink Freq.	4.120 GHz	FEC	2/3
L-Band Freq.	1030 MHz	PID Values	(see below)

### Equipment Requirements

This HD service uses the Harmonic HEVC encoding and transmission system with AC3 audio.

Affiliates are required to install a Harmonic XOS Edge receiver. This receiver requires licenses to be purchased per service; requested directly through Harmonic.

Service	VC	Video PCR	Audio 1 (ENG)	Audio 2 (SPA)	Audio 3 (DVS)	DPI
TNT West	160	1601	1602	1603	1604	1608
Cartoon West	161	1611	1612	1613	1614	1618
TBS West	162	1621	1622	1623	1624	1628
TruTV West	164	1641	1642	-	-	1648
CNNi	165	1651	1652	-	-	1658
BOOM	166	1661	1662	1663	1664	1668
TCM Canada	167	1671	1672	1673	1674	1678
WPCH	168	1681	1682	1683	1684	1688

The VC and PIDs listed above are the "Native" HVEC sources. For transcoding, please refer to the key below.

Key for XOS Decoder Transcode Service Numbers and PIDS			
MPEG2 SD SN	HEVC SN + 100	MPEG2 SD PIDS	HEVC PID + 1000
MPEG2 HD SN	HEVC SN + 200	MPEG2 HD PIDS	HEVC PID + 2000
MPEG4 SD SN	HEVC SN + 300	MPEG4 SD PIDS	HEVC PID + 3000
MPEG4 HD SN	HEVC SN + 400	MPEG4 HD PIDS	HEVC PID + 4000