



# WARNER BROS. DISCOVERY

## GALAXY 30 / TR 20C TECHNICAL INFORMATION

Satellite & Transmission			
Satellite	Galaxy 30	Video Format	NTSC 1080i
Transponder	20C	Compression	HEVC (H.265)
Orbital Pos.	125° West	Transport System	DVB-S2 16APSK
Polarization	Vertical	Symbol Rate	34.286 MS/s
Downlink Freq.	4.100 GHz	FEC	2/3
L-Band Freq.	1050 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
NBA	130	1301	1302	-	-	1308
TNT East	131	1311	1312	1313	1314	1318
Cartoon East	132	1321	1322	1323	1324	1328
CNN	133	1331	1332	-	-	1338
TBS East	134	1341	1342	1343	1344	1348
TCM East	136	1361	1362	1363	-	1368
TruTV East	137	1371	1372	-	-	1378
HLN	138	1381	1382	-	-	1388
CNN Espanol	139	1391	1392	1393	-	1398
HLN Canada	159	1591	1592	-	-	1598

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