

Live Channel HD Upgrade

FREQUENTLY ASKED QUESTIONS

1. What is changing with live services at CNN NewsSource?

All CNN NewsSource live channels offered via satellite will migrate to HD signals, and CNN NewsSource will no longer offer SD live signals.

2. When is this happening? When is the final conversion date?

The final migration to all HD signals will occur in February 2022. More details forthcoming on the exact date.

3. What does this change mean for my organization? What do I need to do?

If you already have HD-compatible hardware, you're ready and do not need to take further action. Beginning in February 2022, you will get all the NewsSource channels in HD.

If you do not have HD-compatible hardware, you will need to upgrade to HD-compatible IRD technology to continue receiving live channels via satellite (see 11 and 12 below).

All live content from CNN NewsSource on the TVU Grid and the LiveU Matrix is already in HD, and these services can be used in addition to, or in lieu of, satellite. If you are not already a LiveU or TVU client and would like to explore these options, please contact them directly.

4. Is the amount or type of live content changing?

No. Live channel programming will remain the same. The only change is that live channels currently in SD will become HD.

5. Will the live channels be encrypted?

No. Once we convert all signals to HD, formerly SD live channels will no longer be encrypted.

6. What are the technical specs required to take live signals from CNN NewsSource via satellite?

If you already have HD-compatible hardware, you will get all the NewsSource channels in HD.

These are the technical specs for satellite channels:

- Satellite: SES 2
- KU-Band Orbital Position: 87 West Longitude
- Transponder: 13
- Polarization: Horizontal
- Downlink Frequency: 11960 MHz
- L-Band Frequency: 1210 MHz
- Symbol Rate: 30MS/s (changed from 29.27 MS/s)
- Add: 8PSK FEC: 3/4
- Transport System: change DVB-S2
- Format: MPEG-4
- Video Format: NTSC/1080i
- Network ID: 544

7. We already use TVU or LiveU – do I still need to purchase a new IRD?

If you want to take CNN Newssource live channels using only video over IP (VoIP) technology, you can do that using TVU Grid or LiveU Matrix. It is up to each affiliate if they want to continue using satellite or not; they can get the same content with the VoIP options in lieu of satellite.

8. We use TVU or LiveU with our network – does this mean we will automatically get access to the CNN Grid?

If you are a CNN Newssource affiliate, you can contact TVU or LiveU to get access to the CNN Newssource channels.

9. Is the content we can get from CNN Newssource on TVU Grid and/or LiveU Matrix the same as the content on the satellite channels?

Yes, the channels mirror each other and have the same content. However, you will see four International (INTL) live channels on TVU and LiveU that are not available via satellite.

10. What future encoding schemes are planned?

The compression rate is changing from 4PSK to 8PSK. Use: DVB-S2 8PSK 3/4.

11. Does CNN recommend a particular brand of equipment?

Any HD-compatible receiver will work.

The Harmonic ProView™ 8140 meets requirements to receive the Newssource Live signals and includes DVB-S2X support. See below for a view of the back panel of the 8140.

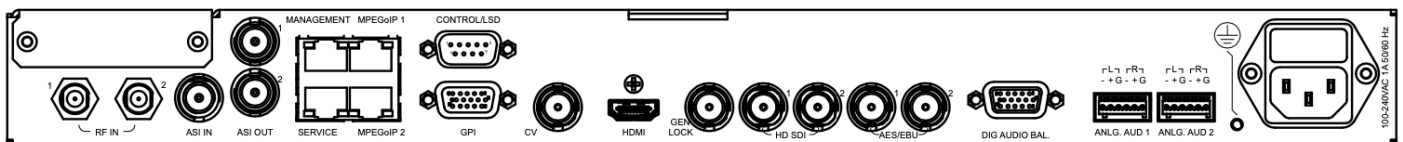
12. Do you have any preferred rates?

Yes, we've secured a discounted rate from Harmonic for CNN Newssource affiliates.

To purchase the receiver at our discounted rate, visit info.harmonicinc.com/cnn-newssource or contact 1.800.828.5521 and ask for the Newssource IRD Bundle.

13. Will Dejero be an option?

Currently, CNN Newssource live signals are only available via TVU or LiveU. We may add Dejero in the future, but timing is TBD.



*ProView 8140 Descrambler and Analog/Digital Decoder
ASI, IP, MPE data, composite video, SDI, HDMI, genlock, two balanced analog and four balanced digital audio outputs*

Back panel of the Harmonic ProView™ 8140