

Product Data Sheet

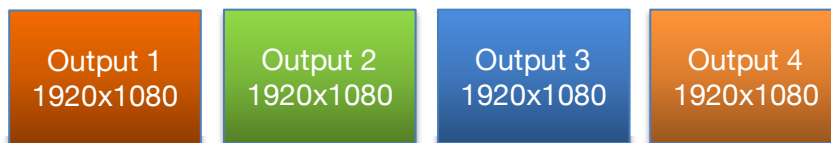
The Coyote is a playback hardware device, designed to play videos and still content ranging from 4k, ultrawide screen, and regular 16x9. The Coyote can replace standard software playback, and to an extent, large media server playback. The Coyote is very simple to use. A standard playback technician can be up and running from ingest to “take” in just a matter of minutes.

Capabilities

The Coyote has (4) 1920 x 1080 SDI outputs or (1) 3840 x 2160 output. These outputs can be configured in several different ways, depending on your content. Each layout can be selected per preset. This means the operator can “take” different layouts at any time.

1. Up to (4) independent 16x9 outputs

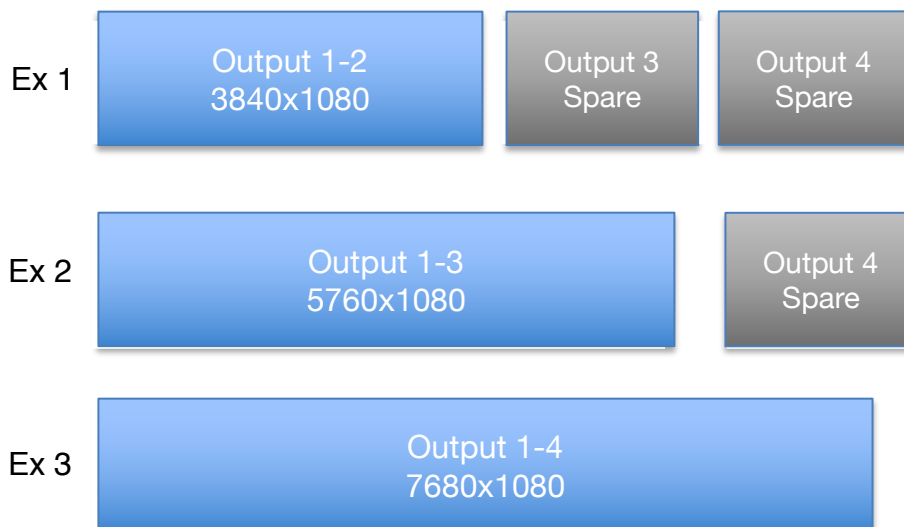
This layout is designed for standard 16x9 videos for pips and “on air” playback



2. Wide screen playback up to 7680 pixels wide, (1080 high)

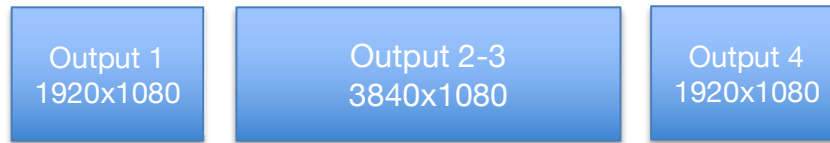
These layouts are designed to play wide screen videos across multiple outputs. Any leftover outputs not being used for the wide screen can be used for 16x9 content including stills or other wide screen files.

Different file resolutions can be used in the Coyote, ie: if you have a video 3200 x 1080 then the operator would use Example 1. The pixels exceed a single 1920 output, yet the file is under 3840. Two extra outputs can then be used separately.



3. Sync Rolls

This layout allows the operator to place different video files inside of a single preset for **frame accurate** playback across multiple outputs.



4. 4K Video Output

This layout is designed for playing **4k content** in a Quad 3G array or in a single 12G mode. (Operator selects this option in set up).



Best Practices

Codecs

The Coyote accepts multiple codecs without having to transcode videos into proprietary formats. The best codec for sync rolls and simultaneous video playback is:

HEVC High Bit Rate, Constant, Audio: 48K AAC

Acceptable codecs:

- AVC (H.264)
- HEVC (H.265) VBR, CBR, HBR and SBR
- Apple ProRes 4:2:2, Proxy, LT, SD, HQ
- VP90 and VP80

Stills: PNG, JPG, TIF

Audio

There are 32 channels of audio available out of the Coyote via embedded SDI. Each video can contain up to 8 audio tracks each for multi-track playback. The Coyote also offers (2) XLR, line balanced analog outputs which the operator can select per preset.

HDR10

The Coyote can display **HDR10** in either **PQ** or **HLG** mode.

Features

- (4) Independent players that can join for spanning outputs, Quad 3G-4K and sync rolls
- Support for 8k video file dimensions
- HDR mode including HDR10, HLG, PQ
- 32 Channels of SDI output
- Analog 2 channel XLR audio out w/ ground lift
- Mirror mode, complete auto backup feature
- Sizing ability per player, including anamorphic, native, cropping and snap to edge features
- Proc amp adjustments per player, including brightness, contrast, chroma
- Freeze at end of video
- New and improved "Fade to Black"
- Independent cross-dissolve for each of the 4 players
- (4) discreet embedded SDI timecode channels
- (1) BNC Analog LTC output (selectable
- LTC Input for multiple frame sync
- Native: ProRes, HEVC, AVC and VP90 codecs
- Still Server: PNG, JPG, TIF
- HDMI audio and video for local monitoring (multiview)
- Unlimited Goto markers for each preset
- Unlimited Countdowns for each preset
- Quick trim in and out points
- Companion app and Stream Deck friendly
- External JSON API commands for 3rd party control
- Libcoyote SDK for C++ and Python (Create your own controller)

For additional support please visit www.sonoranvideosystems.com or email us at support@sonoranvideosystems.com