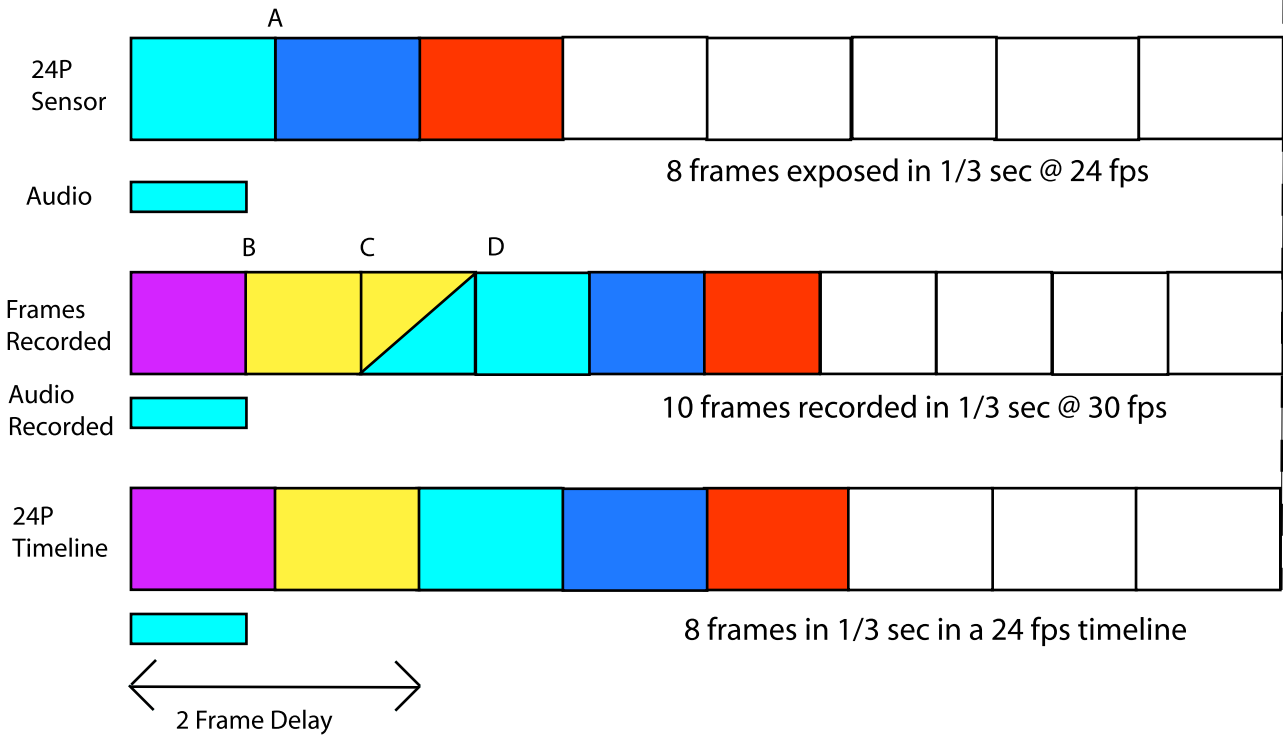


1/3 sec



Why the DVX100 Has a 2 Frame Delay in 24PA Mode

The **light blue frame** is exposed and the corresponding audio is recorded simultaneously. At point in time A the exposure is finished. Since it is past point B, the frame cannot be recorded at B, it is too late. So it is recorded at C. The frame at C is a split field frame, so the frame is recorded in one field at C and again at the following frame at D.

The C frame is dropped when the tape is converted back to 24P. The resulting delay between audio and video is then 2 frames.

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