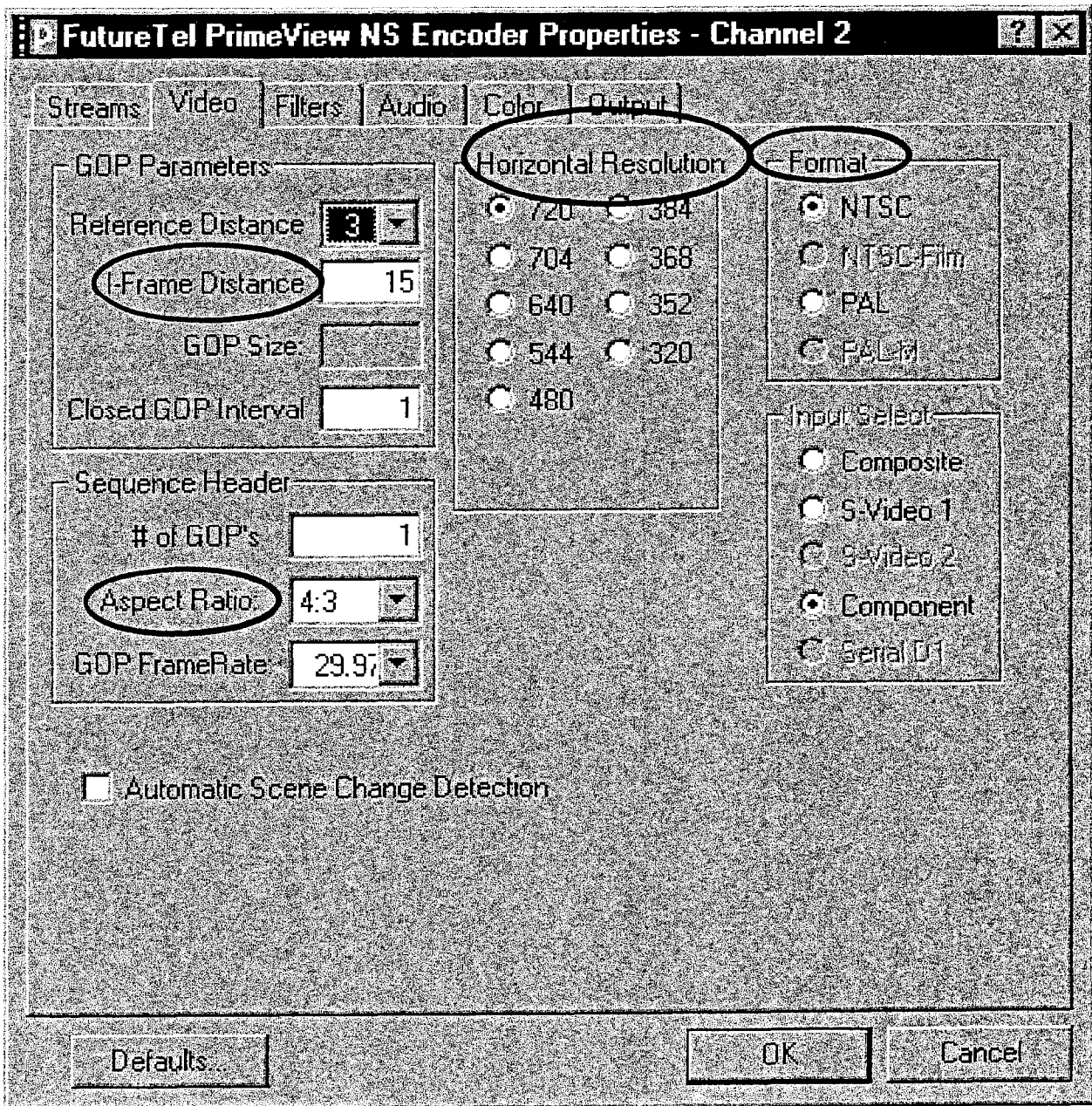


Video Tab

The following section describes the video encoding parameter defined on the Video Tab; including GOP Parameters, Sequence Header Interval, Horizontal Resolution, Video Format and Input Select.



GOP Parameters

I-Frame Distance: This setting determines the number of pictures between I pictures. It must be an integer multiple of the reference distance. The default setting is 15 frames for NTSC and 12 frames for PAL. A setting of 1 means that every frame is encoded as an I-picture.

Sequence Header Interval

Aspect Ratio: This setting specifies the aspect ratio information that will be stored in the sequence header. The pull-down menus display the permitted values. As per ISO/IEC 11172-2, MPEG-1 will default to

a value of 0.9157 for PAL, and 1.0950 for NTSC. MPEG-2 defaults to a value of 4:3.

When video is to be decoded for display a computer monitor, the recommended setting for Aspect Ratio is 1.000.

Horizontal Resolutions

Horizontal resolution options are 720, 704, 640, 544, 480, 384, 368, 352, 320, 176 and 160. These resolutions are available (or not), depending upon the capabilities of the encoder model being used and the setting selected for Video Type (Streams Tab), and Format (Video Tab).

If Video Type is set to MPEG-1, the selections available are 352, 320, 176 and 160. If the Video Type is MPEG-2 and the encoder is capable of 2/3-D1 (NS 320), the selections available are: 480, 384, 368, and 320.

If the Video Type is MPEG-2 and the encoder is capable of full-D1 (NS 325), the selections available are: 720, 704, 640, 544, 480, 384, 368, 352 and 320.

Video Format

The video format setting should be adjusted according to the video input being used. The format setting determines the appropriate resolutions and video frame rate. The default setting is NTSC.

- **NTSC:** This setting should be used for NTSC video source (29.97 frames per second).
 - **PAL:** This setting should be used for PAL video source (25 frames per second).
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