Specify the bitrate.The initial setting is 256kbps.

Select a stereo mode when encoding in MPEG Audio.The default setting is Joint stereo.

Select this checkbox if you want to include CRC in audio streams.

Specify a reference frame that is mapped to specified timecode.

Specify a timecode to which reference frame is mapped.The timecode should not be 00:00:00:00.

Specify a timecode to which reference frame is mapped.The timecode should not be 00:00:00:00.

Specify a timecode to which reference frame is mapped.The timecode should not be 00:00:00:00.

Specify a timecode to which reference frame is mapped.The timecode should not be 00:00:00:00.

Select this check box if you want the timecode in GOP header to be dropped frame.

Sets frame rate as 24 fps when calculate mapping from frame number to timecode.

Sets frame rate as 25 fps when calculate mapping from frame number to timecode.

Sets frame rate as 29.97/30 fps when calculate mapping from frame number to timecode.

Specify an output filename of MPEG video elementary stream or MPEG system (program)stream.By clicking the button on the right,you can also specify the filename from a common dialog box.

Shows a common dialog box in which you can specify output filename of MPEG video elementary stream or MPEG system (program)stream.

Specify an output filename of MPEG video elementary stream or MPEG system (program)stream (#2).The specified filename is used for the output file of 2nd,4th,6th,and 8th VBR pass.

Shows a common dialog box in which you can specify output filename of MPEG Video elementary stream or MPEG system (program)stream (#2).

Select this check box to output video information file.The video information files are used to create multipass VBR streams.

Specify a name of the video information file.You must specify this filename when creating multipass VBR stream.

Shows a common dialog box in which you can specify video information filename.

Specify an output filename of audio file.By clicking the button on the right,you can also specify the filename from a common dialog box.

Shows a common dialog box in which you can specify audio filename.

Shows a dialog box for MPEG video parameters setting.

Shows a dialog box for MPEG video filters setting.

Select an encoding mode from this list box.Video CD and Super Video CD can be selected only if the frame size and frame rate of the source files matches its corresponding output format.

Specify bitrate of CBR video streams in kbps unit.

Specify Q.factor of one-pass VBR video streams.This setting affects quantization scale of output streams.The greater the value,the smaller the file size will be.

Specify average bitrate of multipass VBR video streams in kbps.

Specify minimum bitrate of one-pass VBR video streams in kbps.To keep this setting,quantization scale may be reduced partially.

Specify minimum bitrate of multipass VBR video streams in kbps.

Specify maximum bitrate of one-pass VBR video streams in kbps.To keep this setting,quantization scale may be raised partially.

Specify maximum bitrate of multipass VBR video streams in kbps.

Select this radio button if you want to create new video information file when encoding in multipass VBR mode.This must be selected unless the video information file you specified does exist.

Select this radio button if you want to use existing video information file when encoding in multipass VBR mode.If this is selected,video information file generation pass is saved so that encoding time will be reduced.However,if the bitrate is widely changed from the previous time or you have changed chapter setting,you should recreate video information file.

Specify a pass for multipass VBR encoding.If a video information file should be newly created,another pass will be required.

Shows a dialog box for the minute multipass VBR setting.You should prepare video information file prior to open this dialog box.You can create video information file when you selected CBR or one-pass VBR mode.

Select this check box when you want to apply inverse 3:2 pulldown to the source file.This setting is valid only if the source file is in NTSC format.

Shows a dialog box for 3:2 pulldown list setting.

Select this check box when the image in the source file you want to apply inverse 3:2 pulldown is in letterbox.If this is selected,only the letterbox area is searched for the pulldown detection.

Select this check box when creating DVD in pan-scan mode.

Specify an aspect ratio.SAR in the list means “sample aspect ratio”.If you selected “SAR 1:1”,the original aspect ratio is kept.However,if you create DVD,select either 4:3 or 16:9.

Starts encoding immediately using the setting in this dialog box.

Shows an about dialog box.

Closes the dialog box and saves any changes you have made.

Closes the dialog box without saving any changes you have made.

Displays GOP structure of the encoded stream.This structure varies according to the values of M and N.The more P and B pictures,the higher the efficiency of compression will be.But because only I pictures can be sought,seeking will be less convenient if there are many P and B pictures.To compensate this,I picture will be automatically inserted at scene change.
The initial setting is /IBBPBBPBBPBBPBB/.

Specify the number of (consecutive B picture +1).The valid range is from 1 through 3.B picture stands for bidirectionally predictive-coded picture.Because B picture is coded using forward and backward motion compensation,the efficiency of compression is highest of the three types of pictures (I,P,and B).

Specify the number of (P pictures inserted between adjacent I pictures +1).The valid range is from 1 through 5.P picture stands for predictive-coded picture.It is coded using motion compensation from past I or P picture.The efficiency of compression is lower than that of B pictures,but much higher than that of I pictures.

Specify the number of frames from one GOP header to the next GOP header.The initial setting is 1,in which case GOP header is inserted each time I picture appears.

Specify the number of GOPs from one sequence header to the next sequence header to be inserted.The initial setting is 1,in which case,sequence header is inserted at each GOP.

Select this check box to add the sequence end code to the stream.Select this unless there is a special reason.

Select this check box in order to comply with the DVD standard.Actually,frame resolution will be changed to 720x576 if the frame rate is 25fps,and to 720x480 if the frame rate is 29.97fps.

Select this check box if you want to create MPEG-2 video streams for DVD multiangle.

Select this check box if you want all of the GOPs to be closed.This is not recommended because

1. It affects image quality.
2. The GOP from which new scene starts is automatically closed regardless of this setting.

Select this check box to equalize the length of each GOP.Since scene change detection will be disabled,the image quality will be reduced.

Select this check box to precisely equalize the bit length of each GOP on CBR encoding mode.Normally,do not select this check box because if affects image quality.

Select this check box to display upper field first.If this setting is not correct,movement in the produced video will be clumsy.

Select this check box to reduce horizontal resolution by half.Since horizontal resolution will be round down to a multiple of 16,half the original size 720,for example,is not 360 but 352.

Select this check box to reduce vertical resolution by half.By selecting this option together with half horizontal resolution,frame size 720x480 will become 352x240.

Limits the luminance so that the luminance of (R,G,B)=(0,0,0)will be 16 and the luminance of (R,G,B)=(255,255,255)will be 235.This complies ITU-R BT.601-5.

Sets the luminance level so that the luminance of (R,G,B)=(0,0,0)will be 0 and the luminance of (R,G,B)=(255,255,255)will be 255.

Shows a dialog box to specify quantization matrices.

Specify the packet size of system streams.The range is from 128 to 2,048 bytes.This value should be a multiple of 128.

List box that shows filter settings.The frame number and the timecode of each line represent a start point of corresponding filter setting.The setting is valid until it reaches the next point.

Changes the filter setting suitable for natural images.

Changes the filter setting suitable for smooth images such as computer graphics.

Changes the filter setting suitable for high contrast images such as scanned animation.

Uses a user-defined template setting.

Select complexity of source video.

Shows a user-defined template list.

Deletes selected template item from the list.

Shows a timecode from which the current filter setting starts.

Shows a timecode from which the current filter setting starts.

Shows a timecode from which the current filter setting starts.

Shows a timecode from which the current filter setting starts.

Changes a timecode from which the current filter setting starts.

Edit the frame number from which the current filter setting starts.

Changes a frame number from which the current filter setting starts.

Add the current filter setting to the filter list.

Enables or disables horizontal low pass filter.

Specify the cut off frequency of the horizontal low pass filter.

Shows the value of horizontal low pass filter.You can directly edit and change the value.The range is from 2 through 10.

Changes the cut off frequency of the horizontal low pass filter.

Enables or disables vertical filter.

Specify the intensity of vertical filter.

Shows the value of vertical filter.You can directly edit and change the value.The range is from 1 through 64.The recommended value is up to 16 for interlaced,and up to 32 for progressive and inverse 3:2 pulldown applied footage.

Changes the intensity of vertical filter.

Select this check box to add noise to the source before quantization.This filter is valid to reduce contouring noise.

Specify the noise level to add.

Shows the value of noise level.You can directly edit and change the value.The range is from 1 through 128.Since it degrades image quality radically if applied to the area where no contouring noise occurred,the value less than 40 is recommended.

Changes the noise level to add.

Specify the balance of quantizer characteristics.The more to the left,the more bits allocated to complex parts.

Shows the value of quantizer characteristics.You can directly edit and change the value.The range is from 0 to 100.Decrease this value to reduce the mosquito noise,or increase the value to reduce contouring noise.The recommended range is from 16 to 40.Relatively high value may be recommended for high bitrate.

Changes the value of quantizer characteristics.

Sets the precision of DC coefficients in intra macroblocks to 8 bits.If the bitrate is low,the low precision may cause better quality.

Sets the precision of DC coefficients in intra macroblocks to 9 bits.

Sets the precision of DC coefficients in intra macroblocks to 10 bits.If there is a part where luminance is gradually changing,high precision will cause better quality.Or if the bitrate is high,select 10 bits.

Select this to use zigzag scanning order of DCT.This scan order is used in H.261,JPEG,and MPEG-1.If the source is progressive,zigzag scan order may result a good quality.

Alternate scan of DCT coefficients is appropriate for interlaced video.

Specify the minimal value of luminance level.This setting is provided for users who want to clip luminance level even if they selected “0 to 255”in video setting dialog box.

Specify the maximal value of luminance level.This setting is provided for users who want to clip luminance level even if they selected “0 to 255”in video setting dialog box.

Select this check box if the source video is progressive-scan.Since this setting affects the motion estimation process,it also affects the quality of encoded bitstream.

Saves the current filter setting.

Accesses to Cinema Craft Encoder SP web page.

Shows a graph of bitrate or quantization scale.(To switch between bitrate and quantization scale,click a radio button on the right.)White lines,green lines,and red lines represent the values of I pictures,P pictures,and B pictures,respectively.Yellow lines represent average values of frames in each GOP.Long purple lines represent scene change points.

Shows the timecode of left most point in the graph.

Shows the timecode of left most point in the graph.

Shows the timecode of left most point in the graph.

Shows the timecode of left most point in the graph.

Shows the timecode of right most point in the graph.

Shows the timecode of right most point in the graph.

Shows the timecode of right most point in the graph.

Shows the timecode of right most point in the graph.

Moves the graph horizontally.

Shows the value of upper bound of the graph.

Shows the value of lower bound of the graph.

Decreases the value of upper bound.

Increases the value of upper bound.

Decreases the value of lower bound.

Increases the value of lower bound.

Scrolls the graph upwards.

Scrolls the graph downwards.

Click this to show a bitrate graph.

Click this to show a quantization scale graph.

Shows a graph state.

Enter an average bitrate.

Enter a minimal bitrate.

Enter a maximal bitrate.

Increase this value if you want the output stream to be more like constant bitrate,and decrease the value if you want the output stream to be more like constant quality.The initial value is 30.

Sets the updown control step of bitrates to 500.

Sets the updown control step of bitrates to 100.

Sets the updown control step of bitrates to 10.

Sets the updown control step of bitrates to 1.

Enter an in point from which you want to change bitrate.

Enter an in point from which you want to change bitrate.

Enter an in point from which you want to change bitrate.

Enter an in point from which you want to change bitrate.

Enter an out point to which you want to change bitrate.

Enter an out point to which you want to change bitrate.

Enter an out point to which you want to change bitrate.

Enter an out point to which you want to change bitrate.

Sets the in point to the current point.

Sets the out point to the current point.

Enter a minimal bitrate of specified range.

Enter a maximal bitrate of specified range.

Changes the bitrate of specified range.

Resets the bitrate of specified range.

Locks the bitrate of specified range.

Shows the average bitrate of selected GOP.

Shows the minimal bitrate in the selected GOP.

Shows the maximal bitrate in the selected GOP.

Shows the Q.factor of selected GOP.

Shows the quantization scale of I pictures in the selected GOP.

Shows the quantization scale of P pictures in the selected GOP.

Shows the quantization scale of B pictures in the selected GOP.

Shows the total frame number.

Shows the total field number.Normally,this value is twice the number of frames,however,if inverse 3:2 pulldown is applied,field number will be more than twice the number of frames (up to 2.5 times).

Shows the estimated size of encoded stream.

Shows the average bitrate of entire stream.

Shows the minimal bitrate in the entire stream.

Shows the maximal bitrate in the entire stream.

Shows the timecode at minimal bitrate.

Shows the timecode at maximal bitrate.

Shows the average Q.factor of entire stream.

Shows the minimal Q.factor in the entire stream.

Shows the maximal Q.factor in the entire stream.

Shows the timecode at minimal Q.factor.

Shows the timecode at maximal Q.factor.

Shows the timecode of currently selected point.

Shows the timecode of currently selected point.

Shows the timecode of currently selected point.

Shows the timecode of currently selected point.

Shows a timecode of point before clicking jump button.

Shows a previous timecode before jump button clicked.

Shows a previous timecode before jump button clicked.

Shows a previous timecode before jump button clicked.

Moves to the previous point.

Shows the timecode of the first frame.

Shows the timecode of the first frame.

Shows the timecode of the first frame.

Shows the timecode of the first frame.

Moves the current point to the first GOP.

Shows the timecode of the last frame.

Shows the timecode of the last frame.

Shows the timecode of the last frame.

Shows the timecode of the last frame.

Moves the current point to the last GOP.

Enter a timecode you want to move to.

Enter a timecode you want to move to.

Enter a timecode you want to move to.

Enter a timecode you want to move to.

Moves the current point to the specified timecode.

Moves the current point to the GOP 10 minutes behind.

Moves the current point to the GOP 1 minute behind.

Moves the current point to the GOP 10 seconds behind.

Moves the current point to the previous GOP.

Moves the current point to the GOP 10 minutes ahead.

Moves the current point to the GOP 1 minute ahead.

Moves the current point to the GOP 10 seconds ahead.

Moves the current point to the next GOP.

Enter a label to the current point.

Adds the labeled current point to the timecode list.

Shows the timecode list.This list is used only in this dialog box.

Deletes the currently selected point from the timecode list.

Shows a list of points from which 3:2 pulldown phase changes.This list is automatically created if you select “3:2 pulldown detection”in Encode setting dialog box.You can manually change the created list afterwards.

Enter a timecode from which pulldown phase changes.

Enter a timecode from which pulldown phase changes.

Enter a timecode from which pulldown phase changes.

Enter a timecode from which pulldown phase changes.

Changes a timecode of In point.

Sets the upper field at the timecode to be the first field.

Sets the lower field at the timecode to be the first field.

Starts automatic 3:2 pulldown detection from the specified timecode.Select this you do not know the pulldown phase.

Stops 3:2 pulldown detection from the specified timecode.

Select this if the first field at the specified timecode is a repeated field.

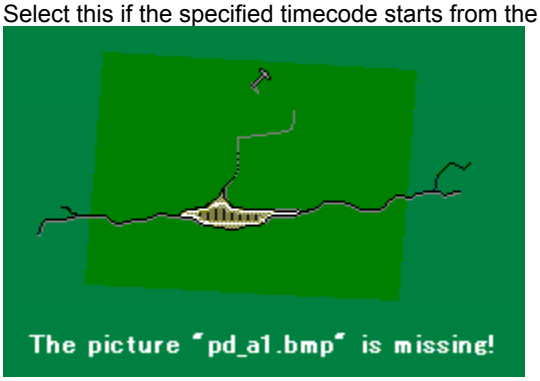
Select this if the second field at the specified timecode is a repeated field.

Select this if the third field at the specified timecode is a repeated field.

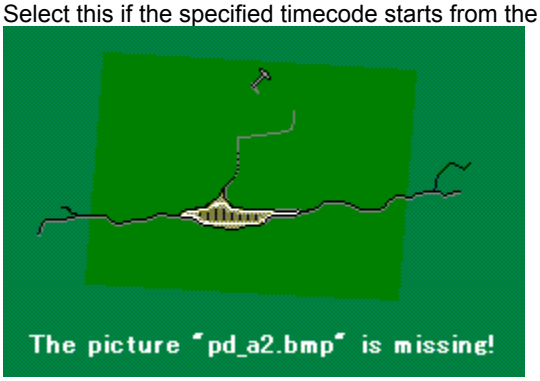
Select this if the forth field at the specified timecode is a repeated field.

Select this if the fifth field at the specified timecode is a repeated field.

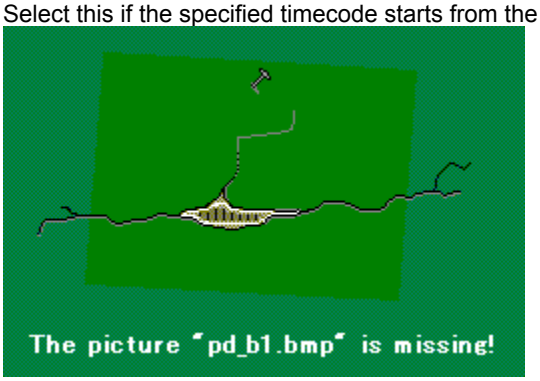
Select this if the specified timecode starts from the following blue field.



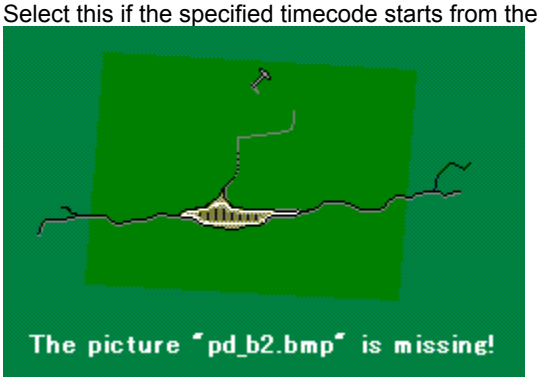
Select this if the specified timecode starts from the following blue field.



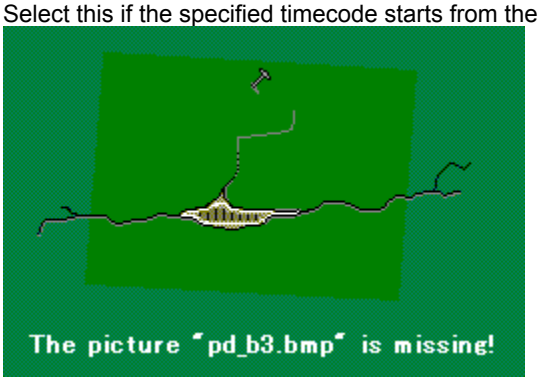
Select this if the specified timecode starts from the following red field.



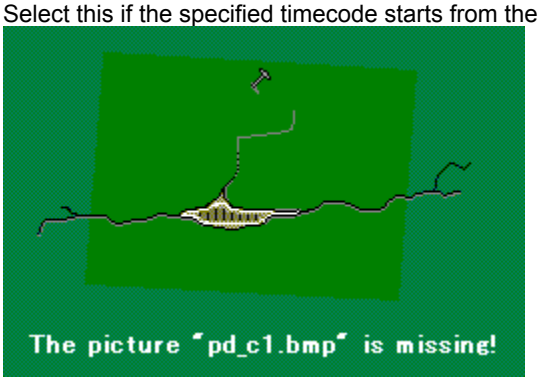
Select this if the specified timecode starts from the following red field.



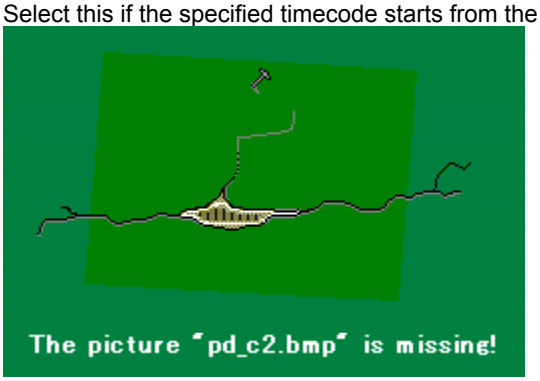
Select this if the specified timecode starts from the following red field.



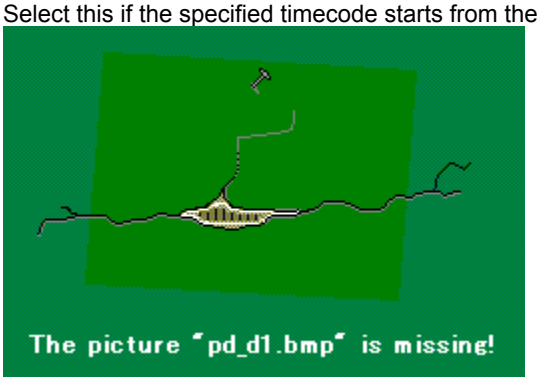
Select this if the specified timecode starts from the following yellow field.



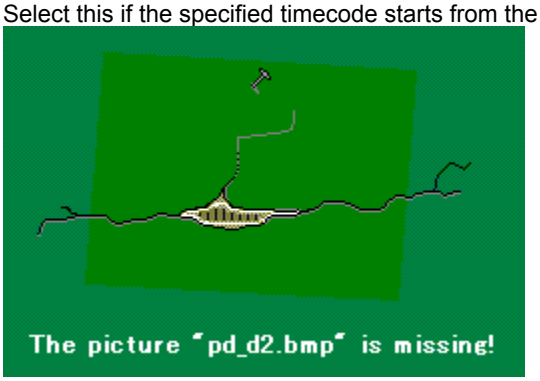
Select this if the specified timecode starts from the following yellow field.



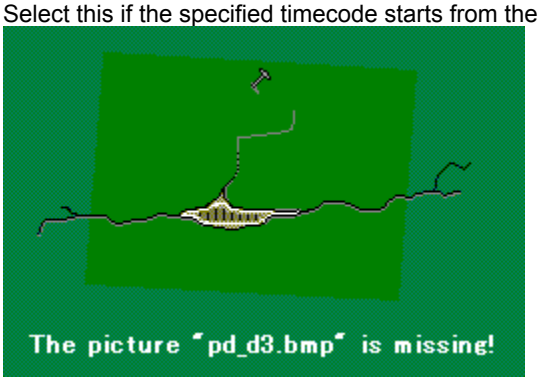
Select this if the specified timecode starts from the following green field.



Select this if the specified timecode starts from the following green field.



Select this if the specified timecode starts from the following green field.



Shows a dialog box to select pulldown information file.The pulldown information file is created automatically when encoded with “3:2 pulldown detection”check box selected.

Adds the specified pulldown phase to the pulldown list.

Fetches the timecode specified in In point.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Changes a reference timecode to calculate pulldown phase.

Sets the upper field of the timecode to be the first field.

Sets the lower field of the timecode to be the first field.

Select this if the frame at the specified timecode is expanded to two fields.

Select this if the frame at the specified timecode is expanded to three fields.

Select this if the frame at the specified timecode is frame A.

Select this if the frame at the specified timecode is frame B.

Select this if the frame at the specified timecode is frame C.

Select this if the frame at the specified timecode is frame D.

Select this if the specified timecode is not 3:2 pulldowned.

Copies the specified timecode and pulldown phase to In point.

Calculates pulldown phase at specified timecode when pulldown phase at In point is given.

Calculates timecode of the specified pulldown phase when pulldown phase at In point is given.

Fetches the timecode specified in In point.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Changes a reference timecode to calculate pulldown phase.

Sets the upper field of the timecode to be the first field.

Sets the lower field of the timecode to be the first field.

Select this if the frame at the specified timecode is expanded to two fields.

Select this if the frame at the specified timecode is expanded to three fields.

Select this if the frame at the specified timecode is frame A.

Select this if the frame at the specified timecode is frame B.

Select this if the frame at the specified timecode is frame C.

Select this if the frame at the specified timecode is frame D.

Select this if the specified timecode is not 3:2 pulldowned.

Copies the specified timecode and pulldown phase to In point.

Calculates pulldown phase at specified timecode when pulldown phase at In point is given.

Calculates timecode of the specified pulldown phase when pulldown phase at In point is given.

Fetches the timecode specified in In point.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Enter a reference timecode to calculate pulldown phase.

Changes a reference timecode to calculate pulldown phase.

Sets the upper field of the timecode to be the first field.

Sets the lower field of the timecode to be the first field.

Select this if the frame at the specified timecode is expanded to two fields.

Select this if the frame at the specified timecode is expanded to three fields.

Select this if the frame at the specified timecode is frame A.

Select this if the frame at the specified timecode is frame B.

Select this if the frame at the specified timecode is frame C.

Select this if the frame at the specified timecode is frame D.

Select this if the specified timecode is not 3:2 pulldowned.

Copies the specified timecode and pulldown phase to In point.

Calculates pulldown phase at specified timecode when pulldown phase at In point is given.

Calculates timecode of the specified pulldown phase when pulldown phase at In point is given.

Shows a figure of specified pulldown phase.

Refer to this figure when specifying pulldown phase in ABCD method.

Copies each (i,j)element (i <j)of quantization matrix for intra blocks to (j,i)element.

Copies each (i,j)element (i >j)of quantization matrix for intra blocks to (j,i)element.

Interchanges rows and columns of quantization matrix for intra blocks.

Copies each (i,j)element (i <j)of quantization matrix for non-intra blocks to (j,i)element.

Copies each (i,j)element (i >j)of quantization matrix for non-intra blocks to (j,i)element.

Interchanges rows and columns of quantization matrix for non-intra blocks.

Shows a preset list of quantization matrices.You can add the current setting to this list.

Saves the current quantization matrices to the preset list.

Deletes currently selected preset from the preset list.