NAME

xil_cis_get_attribute, xil_cis_set_attribute – get and set a compressor attribute

SYNOPSIS

```
#include <xil/xil.h>

int xil_cis_get_attribute (XilCis cis,
        char *attribute,
        void **value);

int xil_cis_set_attribute (XilCis cis,
        char *attribute,
        void *data);
```

DESCRIPTION

xil_cis_get_attribute () returns the value of the *attribute* of the *cis* (the specified compressed image sequence).

xil_cis_set_attribute () sets *attribute* of *cis* to *data,* a generic pointer to the attribute value.

Available attributes are described on the specific man pages for the compressors and decompressors available with the XIL library, including the following: **Jpeg**(3) (baseline JPEG), **JpegLL**(3) (lossless JPEG), **Cell**(3) (image compression technology developed by Sun), **CellB**(3) (video compression technology developed by Sun), **faxG3**(3) and **faxG4**(3) (for CCITT Group 3 and Group 4 facsimile devices), **Mpeg1**(3) (basic MPEG video compression), **H261**(3) (CCITT Recommendation H.261, Video Codec for Audiovisual Services at px64 kbits/s).

ERRORS

For a complete list of XIL error messages by number, consult Appendix B of the *XIL Programmer's Guide.*

EXAMPLES

This example sets a JPEG CIS attribute called *ENCODE_INTERLEAVED* to TRUE.

```
XilCis cis;

xil_cis_set_attribute(cis,"ENCODE_INTERLEAVED", (void *) TRUE);
```

This example returns the value of a JPEG CIS attribute called *ENCODE_INTERLEAVED.*

```
Xil_boolean encode_type;
XilCis cis;

xil_cis_get_attribute(cis, "ENCODE_INTERLEAVED", (void **) &encode_type);
```

NOTES

The **xil_cis_set_attribute** () and **xil_cis_get_attribute** () calls are used to modify the default behavior of a specific compressor. Generic attributes of compressors are set by individual function calls.

SEE ALSO

xil_compress(3), **xil_cis_create**(3), **xil_choose_colormap**(3), **xil_decompress**(3), **xil_open**(3), **xil_cis_get_bits_ptr**(3), **xil_cis_get_compression_type**(3), **xil_cis_get_compressor**(3), **xil_cis_get_input_type**(3), **xil_cis_get_max_frames**(3), **xil_cis_get_output_type**(3), **xil_cis_get_start_frame**(3), **xil_cis_has_data**(3), **xil_cis_put_bits**(3), **xil_cis_reset**(3), **Jpeg**(3), **JpegLL**(3), **Cell**(3), **CellB**(3), **faxG3**(3), **fax**G4**(3), Mpeg1**(3), **H261**(3).