The IDR data file consists of a 32768 byte header block, containing a list of ASCII encode KEY=value parameters, followed by the images stored in sequence as blocks of integer pixel intensity values.

[header] [image 1] [image 2] ....

To read images (frames) from the file, you need to read the following header parameters to get the image size

FW=<frame width in pixels>

FH=<frame height in pixels>

NF=<no. of frames in file>

NBPP=<no. of bytes per pixel>

Each image with be of length NBPP x FW x FH in bytes.

And located within the file at 32768 + (NBPP x FW x FH) x (Image# - 1)

The dimensions of an image pixel are stored in:

XRES= <width of camera pixel>  
RESUNITS= <units of camera pixel width>  
GRMAX=<maximum grey level value in image>

If the image file contains multi-wavelength image series, the following are relevant:

NFTYP= <no. of frame types in image file>  
FTYP#= <name of frame type # (usually excitation wavelength >>  
FTYPDF#= <no. of repeats of frame type # (usually one)>