NAME

exrstdattr - set exr image metadata

SYNOPSIS

exrstdattr [*commands*] *infile outfile*

DESCRIPTION

Read OpenEXR image file infile, set the values of one or more attributes in the headers of the file, and save the result in outfile. Infile and outfile must not refer to the same file (the program cannot edit an image file "in place").

Command for selecting headers:

-part i

If i is greater than or equal to zero, and less than the number of parts in the input file, then the header for part i becomes "current." If i is "any" or **-1**, then all headers become current. Subsequent attribute setting commands affect only the current header or headers. All headers are current before the first **-part** command.

For example, the command sequence

-focus 3 **-part** 2 **-aperture** 8 **-expTime** 0.01 **-part** any **-owner** luke

sets the focus and owner attributes in all headers, as well as the aperture and expTime attributes in the header of part 2.

Commands for setting attribute values:

-chromaticities f f f f f f f f

CIE xy chromaticities for the red, green and blue primaries, and for the white point (8 floats)

-whiteLuminance f

white luminance, in candelas per square meter (float, >= 0.0)

-adoptedNeutral f f

CIE xy coordinates that should be considered "neutral" during color rendering. Pixels in the image

file whose xy coordinates match the adoptedNeutral value should be mapped to neutral values on the display. (2 floats)

-renderingTransform s

name of the CTL rendering transform for this image (string). This attribute is deprecated.

-lookModTransform s

name of the CTL look modification transform for this image (string). This attribute is deprecated.

-xDensity f

horizontal output density, in pixels per inch (float, >= 0.0)

-owner s

name of the owner of the image (string)

-comments s

additional information about the image (string)

-capDate s

date when the image was created or captured, in local time (string, formatted as YYYY:MM:DD hh:mm:ss)

-utcOffset f

offset of local time at capDate from UTC, in seconds (float, UTC == local time + x)

-longitude f

-latitude f

-altitude f

location where the image was recorded, in degrees east of Greenwich and north of the equator, and in meters above sea level (float)

-focus f

    the camera's focus distance, in meters (float, > 0, or "infinity")

-expTime f

    exposure time, in seconds (float, >= 0)

-aperture f

    lens apterture, in f-stops (float, >= 0)

-isoSpeed f

    effective speed of the film or image sensor that was used to record the image (float, >= 0)

-envmap s

    indicates that the image is an environment map (string, LATLONG or CUBE)

-framesPerSecond i i

    playback frame rate expressed as a ratio of two integers, n and d (the frame rate is n/d frames per second)

-keyCode i i i i i i i

    key code that uniquely identifies a motion picture film frame using 7 integers:

    * film manufacturer code (0 - 99) * film type code (0 - 99) * prefix to identify film roll (0 - 999999) * count, increments once every perfsPerCount

    perforations (0 - 9999)

    * offset of frame, in perforations from

    zero-frame reference mark (0 - 119)

    * number of perforations per frame (1 - 15) * number of perforations per count (20 - 120)

-timeCode i i

    SMPTE time and control code, specified as a pair of 8-digit base-16 integers. The first number contains the time address and flags (drop frame, color frame, field/phase, bgf0, bgf1, bgf2). The second number contains the user data and control codes.

-wrapmodes s

    if the image is used as a texture map, specifies how the image should be extrapolated outside the zero-to-one texture coordinate range (string, e.g. "clamp" or "periodic,clamp")

-pixelAspectRatio f

    width divided by height of a pixel (float, >= 0)

-screenWindowWidth f

    width of the screen window (float, >= 0)

-screenWindowCenter f f

    center of the screen window (2 floats)

-string s s

    custom string attribute (2 strings, attribute name and value)

-float s f

    custom float attribute (string + float, attribute name and value)

-int s i

    custom integer attribute (string + integer, attribute name and value)

Other options:

-h, **--help**
    print this message

--version print version information

REPORTING BUGS

Report bugs via https://github.com/AcademySoftwareFoundation/openexr/issues or email
security@openexr.com

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