**OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just “this product”). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

**Warranty Disclaimer**

**The open source software in this product is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the applicable licenses for more details.**

**Copyright Notice and License Texts**

Software: irrlicht 1.8.4

**Copyright notice:**

copyright ACM and IEEE, and it may not be used for commercial purposes.

copyright Irrlicht Engine (c) 2002-2012 Nikolaus Gebhardt;

copyright 2002 by N.Gebhardt. Bin2H is Freeware.

copyright (c) 1999 Glenn Randers-Pehrson.

copyright (c) 1996 Massachusetts Institute of Technology.

copyright (C) 1996-2010 Julian R Seward. All rights reserved.

copyright (C) 1996-2007 Julian R Seward. All rights reserved.

copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.

Copyright 2009, The Dojo Foundation Released under the MIT, BSD, and GPL Licenses. Copyright 2006-2012 Asger Feldthaus

Copyright 2006-2011 Burningwater, Thomas Alten

Copyright 2006-2011 Burningwater, Thomas Alten

Copyright 2004, Psionic Design e-mail: psionic@blueyonder.co.uk

Copyright 1997, Greg Roelofs (newt@pobox.com)ÿÛ

Copyright 1997 Greg Roelofs (newt@pobox.com)JÞ

Copyright 1995-2013 Mark Adler ÛI@

Copyright 1995-2013 Mark Adler @ÅXSBK

Copyright 1995-2013 Mark Adler

Copyright 1995-2013 Jean-loup Gailly and Mark Adler Û

Copyright 1995-2013 Jean-loup Gailly and Mark Adler Û

Copyright 1995-2013 Jean-loup Gailly and Mark Adler

Copyright (c) 2013 The Khronos Group Inc.

Copyright (c) 2009 John Resig Dual licensed under the MIT and GPL licenses.

Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about) Dual licensed

Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com Licensed under GPL license

Copyright (c) 2007-2011 The Khronos Group Inc.

Copyright (c) 2006-11-28 Charles Poynton

Copyright (c) 2004, 2006-2011 Glenn Randers-Pehrson,

Copyright (c) 2003, Dr Brian Gladman , Worcester, UK. All rights reserved.

Copyright (c) 2003 W3C. (MIT, ERCIM, Keio), All Rights Reserved. LP

Copyright (c) 2003 Randy Reddig Based on code from Nvidia's DDS example

Copyright (c) 2002, Dr Brian Gladman, Worcester, UK. All rights reserved.

Copyright (c) 2000-2002, 2004, 2006-2016 Glenn Randers-Pehrson

Copyright (c) 2000-2002 Glenn Randers-Pehrson

Copyright (c) 1998-2016 Glenn Randers-Pehrson

Copyright (c) 1998-2016 Glenn Randers-Pehrson

Copyright (c) 1998-2006 Glenn Randers-Pehrson.

Copyright (c) 1998-2002,2004,2006-2016 Glenn Randers-Pehrson

Copyright (c) 1996-1997 Andreas Dilger

Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

Copyright (c) 1998-2002,2004,2006-2016 Glenn Randers-Pehrson

Copyright (c) 1996-1997 Andreas Dilger

Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

Copyright (c) 1998-2002,2004,2006-2016 Glenn Randers-Pehrson

Copyright (c) 1998-2002,2004,2006-2015 Glenn Randers-Pehrson

Copyright (c) 1998-2002,2004,2006-2014 Glenn Randers-Pehrson

Copyright (c) 1998-2002,2004,2006-2013 Glenn Randers-Pehrson

Copyright (c) 1998-2000 Glenn Randers-Pehrson

Copyright (c) 1998, Valve LLC. All rights reserved.

Copyright (c) 1998, 1999 Glenn Randers-Pehrson

Copyright (c) 1998 Hewlett-Packard Company

Copyright (c) 1996-1997 Andreas Dilger

Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

Copyright (c) 1995, 1996 Frank J. T. Wojcik December 18, 1995 & January 20, 1996

Copyright (c) 1992-2004 by P.J. Plauger, licensed by Dinkumware, Ltd.

Copyright (C) 2012-2012 Patryk Nadrowski.

Copyright (C) 2012, Thomas G. Lane, Guido Vollbeding

Copyright (C) 2012 Patryk Nadrowski

Copyright (C) 2012 Gaz Davidson.

Copyright (C) 2011 Free Software Foundation, Inc.

Copyright (C) 2010-2012 Nikolaus Gebhardt

Copyright (C) 2010-2012 Gaz Davidson

Copyright (C) 2010-2012 Gaz Davidson / Joseph Ellis

Copyright (C) 2010 Free Software Foundation, Inc.

Copyright (C) 2009-2012 Gaz Davidson

Copyright (C) 2009-2012 Gary Conway

Copyright (C) 2009-2012 Christian Stehno

Copyright (C) 2009-2012 Christian Stehno.

Copyright (C) 2009 by Dimitri van Heesch.

Copyright (C) 2009 Free Software Foundation, Inc.

Copyright (C) 2008-2012 Nikolaus Gebhardt

Copyright (C) 2008-2012 Christian Stehno

Copyright (C) 2007-2012 Nikolaus Gebhardt

Copyright (C) 2007-2012 Dean Wadsworth

Copyright (C) 2007-2012 Christian Stehno

Copyright (C) 2007,2009-2016 Glenn Randers-Pehrson Written by Christian Ehrlicher, 2007 Revised by Roger Lowman, 2009-2010 Revised by Clifford Yapp, 2011-2012 Revised by Roger Leigh, 2016

Copyright (C) 2006-2012 by Kat'Oun.

Copyright (C) 2006-2012 by Kat

Copyright (C) 2006-2012 Nikolaus Gebhardt / Thomas Alten

Copyright (C) 2006-2012 Michael Zeilfelder

Copyright (C) 2006-2012 Luke Hoschke

Copyright (C) 2006, 2008, 2010 Free Software Foundation, Inc.

Copyright (C) 2005-2006 Etienne Petitjean

Copyright (C) 2004, 2010, 2011, 2012, 2013 Mark Adler

Copyright (C) 2004, 2010 Mark Adler

Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler

Copyright (C) 2004, 2005, 2007, 2009 Free Software Foundation, Inc. Written by Scott James Remnant, 2004.

Copyright (C) 2004, 2005, 2007, 2008, 2009 Free Software Foundation, Inc. Written by Gary V. Vaughan, 2004

Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc. Written by Gary V. Vaughan, 2004

Copyright (C) 2004, 2005 Free Software Foundation, Inc.

Copyright (C) 2004 Murphy McCauley

Copyright (C) 2004 Free Software Foundation, Inc. Written by Scott James Remnant, 2004

Copyright (C) 2003-2012 Nikolaus Gebhardt

Copyright (C) 2003-2008 Greg Valure Natural Docs is licensed under the GPL.

Copyright (C) 2003, 2005 Free Software Foundation, Inc.

Copyright (C) 2003, 2004, 2005, 2006, 2011 Free Software Foundation, Inc.

Copyright (C) 2002-2015 Nikolaus Gebhardt

Copyright (C) 2002-2012 Thomas Alten This file is part of the "Irrlicht Engine".

Copyright (C) 2002-2012 Thomas Alten / Nikolaus Gebhardt

Copyright (C) 2002-2012 Nikolaus Gebhardt/ Thomas Alten

Copyright (C) 2002-2012 Nikolaus Gebhardt

Copyright (C) 2002-2012 Nikolaus Gebhardt / Fabio Concas / Thomas Alten

Copyright (C) 2002-2004 Nikolaus Gebhardt.

Copyright (C) 2002, 2004, 2006, 2007 Glenn Randers-Pehrson

Copyright (C) 2002, 2003, 2005, 2006, 2007, 2008, 2011 Free Software Foundation, Inc.

Copyright (C) 2001, 2003, 2005, 2011 Free Software Foundation, Inc.

Copyright (C) 2001, 2003, 2005, 2008, 2011 Free Software Foundation, Inc.

Copyright (C) 2001, 2002, 2003, 2005, 2009 Free Software Foundation, Inc.

Copyright (C) 2001, 2002, 2003, 2005, 2008, 2010 Free Software Foundation, Inc.

Copyright (C) 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2008 Free Software Foundation, Inc.

Copyright (C) 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1997, 2000, 2001, 2003, 2004, 2005, 2006, 2008 Free Software Foundation, Inc.

Copyright (C) 1997, 1999, 2000, 2001, 2003, 2004, 2005, 2008 Free Software Foundation, Inc.

Copyright (C) 1996-2010 by Julian Seward.

Copyright (C) 1996-2010 Julian Seward <jseward@bzip.org>

Copyright (C) 1996, 1998, 2000, 2001, 2002, 2003, 2004, 2005, 2008, 2011 Free Software Foundation, Inc.

Copyright (C) 1996, 1997, 2000, 2001, 2003, 2005, 2008 Free Software Foundation, Inc.

Copyright (C) 1996, 1997, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2008, 2009 Free Software Foundation, Inc. Originally by Fran,cois Pinard <pinard@iro.umontreal.ca>, 1996.

Copyright (C) 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2005, 2006 Free Software Foundation, Inc.

Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc. Written by Gordon Matzigkeit, 1996

Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2008, 2009 Free Software Foundation, Inc.

Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1995-2013 Mark Adler

Copyright (C) 1995-2013 Jean-loup Gailly.

Copyright (C) 1995-2013 Jean-loup Gailly.

Copyright (C) 1995-2013 Jean-loup Gailly, Mark Adler

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

Copyright (C) 1995-2013 Jean-loup Gailly (jloup@gzip.org) and Mark Adler

Copyright (C) 1995-2012 Mark Adler

Copyright (C) 1995-2012 Jean-loup Gailly detect\_data\_type() function provided freely by Cosmin Truta, 2006

Copyright (C) 1995-2012 Jean-loup Gailly

Copyright (C) 1995-2011, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1995-2011 Mark Adler

Copyright (C) 1995-2009 Mark Adler

Copyright (C) 1995-2008, 2010, 2013 Mark Adler

Copyright (C) 1995-2006, 2010, 2011, 2012 Mark Adler

Copyright (C) 1995-2005, 2010, 2011, 2012 Jean-loup Gailly.

Copyright (C) 1995-2005, 2010 Mark Adler

Copyright (C) 1995-2005 Jean-loup Gailly.

Copyright (C) 1995-2003, 2010 Mark Adler

Copyright (C) 1995-2003, 2010 Jean-loup Gailly.

Copyright (C) 1995-1998, Thomas G. Lane. Modified 2000-2011 by Guido Vollbeding.

Copyright (C) 1995-1997, Thomas G. Lane. Modified 2000-2009 by Guido Vollbeding.

Copyright (C) 1994-2011, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1994-2009, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1994-1998, Thomas G. Lane.

Copyright (C) 1994-1998, Thomas G. Lane. Modified 2010 by Guido Vollbeding.

Copyright (C) 1994-1998, Thomas G. Lane. Modified 2009 by Guido Vollbeding.

Copyright (C) 1994-1998, Thomas G. Lane. Modified 2003-2010 by Guido Vollbeding.

Copyright (C) 1994-1997, Thomas G. Lane.

Copyright (C) 1994-1997, Thomas G. Lane. Modified 2009 by Bill Allombert, Guido Vollbeding.

Copyright (C) 1994-1997, Thomas G. Lane. Modified 2003-2011 by Guido Vollbeding.

Copyright (C) 1994-1997, Thomas G. Lane. Modified 2002-2011 by Guido Vollbeding.

Copyright (C) 1994-1997, Thomas G. Lane. Modified 1997-2009 by Guido Vollbeding.

Copyright (C) 1994-1996, Thomas G. Lane.

Copyright (C) 1994-1996, Thomas G. Lane. Modified 2009-2012 by Guido Vollbeding. Copyright (C) 1994-1996, Thomas G. Lane. Modified 2009-2011 by Guido Vollbeding.

Copyright (C) 1994-1996, Thomas G. Lane. Modified 2009-2010 by Guido Vollbeding

Copyright (C) 1994-1996, Thomas G. Lane. Modified 2003-2009 by Guido Vollbeding.

Copyright (C) 1994-1996, Thomas G. Lane. Modified 2002-2010 by Guido Vollbeding. Copyright (C) 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1994 X Consortium

Copyright (C) 1992-1997, Thomas G. Lane.

Copyright (C) 1992-1996, Thomas G. Lane.

Copyright (C) 1992, Thomas G. Lane.

Copyright (C) 1992, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 Free Software Foundation, Inc.

Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1991-2011, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane.

Copyright (C) 1991-1998, Thomas G. Lane. Modified 2009 by Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane. Modified 2003-2011 by Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane. Modified 2003-2010 by Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane. Modified 2003-2008 by Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane. Modified 2002-2011 by Guido Vollbeding.

Copyright (C) 1991-1998, Thomas G. Lane. Modification developed 2002-2009 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2011 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2009 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2009 by Bill Allombert, Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2006-2009 by Guido Vollbeding. This file is part of the Independent JPEG Group's software. For conditions of distribution and use, see the accompanying README file.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2003-2011 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2002-2011 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 2002-2009 by Guido Vollbeding.

Copyright (C) 1991-1997, Thomas G. Lane. Modified 1997-2011 by Guido Vollbeding.

Copyright (C) 1991-1996, Thomas G. Lane.

Copyright (C) 1991-1996, Thomas G. Lane. Modified 2011 by Guido Vollbeding.

Copyright (C) 1991-1996, Thomas G. Lane. Modified 2009-2011 by Guido Vollbeding.

Copyright (C) 1991-1996, Thomas G. Lane. Modified 2009 by Guido Vollbeding.

Copyright (C) 1991-1996, Thomas G. Lane. Modified 2002-2008 by Guido Vollbeding.

Copyright (C) 1991-1996, Thomas G. Lane. Modification developed 2003-2009 by Guido Vollbeding.

Copyright (C) 1991-1994, Thomas G. Lane.

Copyright (C) 1989, 2000 Aladdin Enterprises. All rights reserved.

Copyright (C) 1989 by Jef Poskanzer.

Copyright (C) 1988 by Jef Poskanzer.

Copyright (C) 2012, Thomas G. Lane, Guido Vollbeding

Copyright (c) 2006 by N.Gebhardt.

Copyright (c) 2005-2009 by N.Gebhardt.

Copyright (c) 2005 by N.Gebhardt.

Copyright (c) 2003-2005 by N.Gebhardt

Copyright (c) 2003-2005 by N.Gebhardt.

Copyright (c) 2003 Adobe Systems Inc.

Copyright (c) 2001 Adobe Systems Inc.

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

**License:** zlib  
  
zlib License  
  
Copyright (c) <year> <copyright holders>  
  
This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.  
  
Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:  
  
1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.  
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.  
3. This notice may not be removed or altered from any source distribution.