**OPEN SOURCE SOFTWARE NOTICE**

The open source software notice for the open source software used in this openEuler distribution (“openEuler distribution”) is provided in this document. The open source software licenses are granted by the respective right holders. With regard to the respective open source software contained in the openEuler distribution, the applicable open source software license will prevail all other license agreement, including but not limited to the openEuler Software License, in case of any conflicts.

**Warranty Disclaimer**

**THE OPEN SOURCE SOFTWARE IN THIS OPENEULER DISTRIBUTION IS PROVIDED ON AN "AS IS" BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.  
See the applicable licenses for more details.**

**Copyright Notice and License Texts**

Software: cereal 1.3.2

**Copyright notice:**

Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip.   
Copyright (C) 2004-2008 René Nyffenegger  
Copyright (c) 2018, Shane Grant All rights reserved.  
Copyright (c) 2014, Randolph Voorhies, Shane Grant All rights reserved.  
Copyright (c) 2017, Juan Pedro Bolivar Puente All rights reserved.  
Copyright (c) 2013-2022, Randolph Voorhies, Shane Grant All rights reserved.  
Copyright (c) 2006-2013 Alexander Chemeris  
Copyright (C) 2002 Robert Ramey - http:www.rrsd.com .  
Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip  
Copyright (C) 2006, 2009 Marcin Kalicinski Version 1.13  
Copyright (C) 2006 David Abrahams - http:www.boost.org.  
Copyright (c) 2016, Randolph Voorhies, Shane Grant All rights reserved.  
Copyright (C) 2015 THL A29 Limited.  
Copyright (c) 2006, 2007 Marcin Kalicinski  
Copyright (c) 2015, Kyle Fleming, Juan Pedro Bolivar Puente All rights reserved.  
Copyright (c) 2015, Kyle Fleming All rights reserved.  
Copyright (c) 2017, Randolph Voorhies, Shane Grant All rights reserved.  
Copyright (c) 2016-2021 Viktor Kirilov  
Copyright (c) 2014, 2017, Randolph Voorhies, Shane Grant, Juan Pedro Bolivar Puente. All rights reserved.

**License:** BSD

BSD Zero Clause License  
Copyright (C) 2006 by Rob Landley <rob@landley.net>  
  
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.  
  
THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.