

NETATMO Smart Video Doorbell

Libraries we use

This document lists the libraries and services Netatmo uses in the embedded software of the Smart Video Doorbell. We thank our partners and the open-source community for their help and contributions.

Table of content

alsa-lib	5
alsa-plugins	5
alsa-utils.....	5
ncurses	5
systemd	5
bzip2.....	5
cryptsetup	5
json-c.....	5
libargon2	6
lvm2	6
libaio.....	6
libopenssl	6
libzlib	6
popt.....	6
util-linux-libs.....	6
elfutils	6
zstd.....	6
iptables	7
libmnl.....	7
libnftnl	7
kmod	7
libcap	7
libcurl.....	7
libidn2.....	7
libunistring	7
libssh2	7
libmicrohttpd	8

linux-pam	8
flex	8
p11-kit	8
libffi	8
libtasn1	8
pcre2	8
attr	8
bluez-tools.....	8
bluez5_utils	9
bluez5_utils-headers	9
dbus	9
expat	9
libglib2	9
pcre	9
readline.....	9
dbus	9
boost	9
busybox	10
less	10
mtd.....	10
lzo	10
util-linux	10
ca-certificates	10
catch2.....	10
cli11.....	10
dhcpcd	10
dhcpcdump	11
libpcap	11
libnl.....	11
dnsmasq	11
gmp	11
nettle	11
f2fs-tools.....	11
ffmpeg	11

gnutls.....	11
opus.....	12
fftw-single	12
fmt.....	12
glib-networking	12
gst1-plugins-bad	12
gst1-plugins-base.....	12
gststreamer1	12
libogg.....	12
orc	12
libnice	13
libsrt.....	13
vo-aacenc.....	13
gst1-plugins-good	13
pulseaudio.....	13
libsndfile.....	13
libtool.....	13
webrtc-audio-processing.....	13
iperf3	13
iw	14
jemalloc	14
jpeg-turbo	14
jq.....	14
json-for-modern-cpp	14
libbacktrace	14
libbsd	14
libmd.....	14
libgpiod	14
libndp.....	15
libpsl	15
libsoup	15
libxml2	15
sqlite.....	15
libuv.....	15

lighttpd	15
xxhash	15
ltrace	15
network-manager	16
opencv4	16
protobuf	16
openssh	16
sdbus-cpp.....	16
spdlog	16
strace.....	16
strongswan.....	16
tcpdump.....	16
tzdata	17
wpa_supplicant.....	17
linux.....	17
boost-sml	17
csrp	17
dconf	17
signify	17
tensorflow-lite.....	17
tomplusplus	17
tracy	18
zxing-cpp-external	18

alsa-lib

LGPL-2.1+ (library), GPL-2.0+ (aserver)

<https://www.alsa-project.org/files/pub/lib>

alsa-plugins

LGPL-2.1+

<https://www.alsa-project.org/files/pub/plugins>

alsa-utils

GPL-2.0

<https://www.alsa-project.org/files/pub/utils>

ncurses

MIT with advertising clause

<https://github.com/ThomasDickey/ncurses-snapshots/>

systemd

LGPL-2.1+, GPL-2.0+ (udev), Public Domain (few source files, see LICENSES/README.md), BSD-2-Clause (eBPF instruction mini library), BSD-3-Clause (tools/chromiumos), CC0-1.0 (few source files, see LICENSES/README.md), GPL-2.0 with Linux-syscall-note (linux kernel headers), MIT-0 (few source files, see LICENSES/README.md), MIT (few source files, see LICENSES/README.md), OFL-1.1 (Heebo fonts)

<https://github.com/systemd/systemd-stable>

bzip2

bzip2 license

<https://sourceware.org/pub/bzip2>

cryptsetup

GPL-2.0+ (programs), LGPL-2.1+ (library)

<https://cdn.kernel.org/pub/linux/utils/cryptsetup>

json-c

MIT

https://s3.amazonaws.com/json-c_releases/releases

libargon2

CC0-1.0 or Apache-2.0

<https://github.com/P-H-C/phc-winner-argon2/>

lvm2

GPL-2.0, LGPL-2.1

<https://sourceware.org/ftp/lvm2>

libaio

LGPL-2.1+

<https://releases.pagure.org/libaio>

libopenssl

Apache-2.0

<https://www.openssl.org/source>

libzlib

Zlib

<https://www.zlib.net>

popt

MIT

<http://ftp.rpm.org/popt/releases>

util-linux-libs

LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid)

<https://cdn.kernel.org/pub/linux/utils/util-linux>

elfutils

GPL-2.0+ or LGPL-3.0+ (library)

<https://sourceware.org/elfutils/ftp>

zstd

BSD-3-Clause or GPL-2.0

<https://github.com/facebook/zstd/releases/download/>

iptables

GPL-2.0

<https://netfilter.org/projects/iptables/files>

libmnl

LGPL-2.1+

<http://netfilter.org/projects/libmnl/files>

libnftnl

GPL-2.0+

<https://netfilter.org/projects/libnftnl/files>

kmod

LGPL-2.1+ (library), GPL-2.0+ (tools)

<https://cdn.kernel.org/pub/linux/utils/kernel/kmod>

libcap

GPL-2.0 or BSD-3-Clause

<https://www.kernel.org/pub/linux/libs/security/linux-privs>

libcurl

curl

<https://curl.se/download>

libidn2

GPL-2.0+ or LGPL-3.0+ (library)

<http://ftpmirror.gnu.org/libidn>

libunistring

LGPL-3.0+ or GPL-2.0

<http://ftpmirror.gnu.org/libunistring>

libssh2

BSD

<https://www.libssh2.org/download>

libmicrohttpd

LGPL-2.1+ or eCos

<http://ftpmirror.gnu.org/libmicrohttpd>

linux-pam

BSD-3-Clause

<https://github.com/linux-pam/linux-pam/releases/download/>

flex

FLEX

<https://github.com/westes/flex/>

p11-kit

BSD-3-Clause

<https://github.com/p11-glue/p11-kit/releases/download/>

libffi

MIT

<https://github.com/libffi/libffi/releases/download>

libtasn1

GPL-3.0+ (tests, tools), LGPL-2.1+ (library)

<http://ftpmirror.gnu.org/libtasn1>

pcre2

BSD-3-Clause

<https://github.com/PhilipHazel/pcre2/releases/download>

attr

GPL-2.0+ (programs), LGPL-2.1+ (libraries)

<http://download.savannah.gnu.org/releases/attr>

bluez-tools

GPL-2.0+

<https://github.com/khvzak/bluez-tools/>

bluez5_utils

GPL-2.0+, LGPL-2.1+

<https://cdn.kernel.org/pub/linux/bluetooth>

bluez5_utils-headers

GPL-2.0+, LGPL-2.1+

<https://cdn.kernel.org/pub/linux/bluetooth>

dbus

AFL-2.1 or GPL-2.0+ (library, tools), GPL-2.0+ (tools)

<https://dbus.freedesktop.org/releases/dbus>

expat

MIT

<http://downloads.sourceforge.net/project/expat/expat>

libglib2

LGPL-2.1+

<https://download.gnome.org/sources/glib>

pcre

BSD-3-Clause

<http://downloads.sourceforge.net/project/pcre/pcre>

readline

GPL-3.0+

<http://ftpmirror.gnu.org/readline>

dbus-glib

AFL-2.1 or GPL-2.0+

<http://dbus.freedesktop.org/releases/dbus-glib>

boost

BSL-1.0

<https://boostorg.jfrog.io/artifactory/main/release/>

busybox

GPL-2.0, bzip2-1.0.4

<https://www.busybox.net/downloads>

less

GPL-3.0+

<http://www.greenwoodsoftware.com/less>

mtd

GPL-2.0

<ftp://ftp.infradead.org/pub/mtd-utils>

lzo

GPL-2.0+

<http://www.oberhumer.com/opensource/lzo/download>

util-linux

GPL-2.0+, BSD-4-Clause, LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid), ISC (rfkill)

<https://cdn.kernel.org/pub/linux/utils/util-linux>

ca-certificates

GPL-2.0+ (script), MPL-2.0 (data)

<https://snapshot.debian.org/archive/debian/20230317T205011Z/pool/main/c/ca-certificates>

catch2

BSL-1.0

<https://github.com/catchorg/Catch2/>

cli11

BSD-3-Clause

<https://github.com/CLIUtils/CLI11/>

dhcpcd

BSD-2-Clause

<http://roy.marples.name/downloads/dhcpcd>

dhcpcd

BSD-2-Clause

<http://www.mavetju.org/download>

libpcap

BSD-3-Clause

<https://www.tcpdump.org/release>

libnl

LGPL-2.1+

<https://github.com/thom311/libnl/releases/download/>

dnsmasq

GPL-2.0 or GPL-3.0

<http://thekelleys.org.uk/dnsmasq>

gmp

LGPL-3.0+ or GPL-2.0+

<http://ftpmirror.gnu.org/gmp>

nettle

Dual GPL-2.0+/LGPL-3.0+

<https://ftp.gnu.org/gnu/nettle>

f2fs-tools

GPL-2.0

<https://git.kernel.org/pub/scm/linux/kernel/git/jaegeuk/f2fs-tools.git/snapshot>

ffmpeg

LGPL-2.1+, libjpeg license

<https://ffmpeg.org/releases>

gnutls

LGPL-2.1+ (core library)

<https://www.gnupg.org/ftp/gcrypt/gnutls/>

opus

BSD-3-Clause

<https://downloads.xiph.org/releases/opus>

fftw-single

GPL-2.0+

<http://www.fftw.org>

fmt

MIT with exception

<https://github.com/fmtlib/fmt/releases/download>

glib-networking

LGPL-2.0+

<https://download.gnome.org/sources/glib-networking/>

gst1-plugins-bad

LGPL-2.0+, BSD-2-Clause

<https://gstreamer.freedesktop.org/src/gst-plugins-bad>

gst1-plugins-base

LGPL-2.1+

<https://gstreamer.freedesktop.org/src/gst-plugins-base>

gstreamer1

LGPL-2.1+

<https://gstreamer.freedesktop.org/src/gstreamer>

libogg

BSD-3-Clause

<http://downloads.xiph.org/releases/ogg>

orc

BSD-2-Clause, BSD-3-Clause

<http://gstreamer.freedesktop.org/data/src/orc>

libnice

MPL-1.1 or LGPL-2.1

<https://libnice.freedesktop.org/releases>

libsrtplib

BSD-3-Clause

<https://github.com/cisco/libsrtplib/archive/>

vo-aacenc

Apache-2.0

<http://downloads.sourceforge.net/project/opencore-amr/vo-aacenc>

gst1-plugins-good

LGPL-2.1+

<https://gstreamer.freedesktop.org/src/gst-plugins-good>

pulseaudio

LGPL-2.1+ (specific license for modules, see LICENSE file)

<https://freedesktop.org/software/pulseaudio/releases>

libsndfile

LGPL-2.1+

<https://github.com/libsndfile/libsndfile/releases/download/>

libtool

LGPL-2.1+

<http://ftpmirror.gnu.org/libtool>

webrtc-audio-processing

BSD-3-Clause

<http://freedesktop.org/software/pulseaudio/webrtc-audio-processing>

iperf3

BSD-3-Clause, BSD-2-Clause, MIT

<https://downloads.es.net/pub/iperf>

iw

ISC

<https://cdn.kernel.org/pub/software/network/iw>

jemalloc

BSD-2-Clause

<https://github.com/jemalloc/jemalloc/releases/download>

jpeg-turbo

IJG (libjpeg), BSD-3-Clause (TurboJPEG), Zlib (SIMD)

<https://downloads.sourceforge.net/project/libjpeg-turbo>

jq

MIT (code), ICU (decNumber), CC-BY-3.0 (documentation)

<https://github.com/jqlang/jq/releases/download/>

json-for-modern-cpp

MIT

<https://github.com/nlohmann/json/>

libbacktrace

BSD-3C-like

<https://github.com/ianlancetaylor/libbacktrace/>

libbsd

BSD-2-Clause, BSD-3-Clause, BSD-4-Clause, BSD-5-Clause, MIT, ISC, Beerware

<https://libbsd.freedesktop.org/releases>

libmd

BSD-2-Clause, BSD-3-Clause, Beerware, ISC, Public Domain

<https://archive.hadrons.org/software/libmd>

libgpiod

LGPL-2.1+

<https://www.kernel.org/pub/software/libs/libgpiod>

libndp

LGPL-2.1+

<https://github.com/jpirko/libndp/archive>

libpsl

MIT, BSD-3-Clause

<https://github.com/rockdaboot/libpsl/releases/download>

libsoup

LGPL-2.0+

<https://download.gnome.org/sources/libsoup>

libxml2

MIT

<https://download.gnome.org/sources/libxml2>

sqlite

Public domain

<https://www.sqlite.org/2022>

libuv

BSD-2-Clause, BSD-3-Clause, ISC, MIT

<https://github.com/libuv/libuv/>

lighttpd

BSD-3-Clause

<http://download.lighttpd.net/lighttpd/>

xxhash

BSD-2-Clause (library), GPL-2.0+ (xxhsum)

<https://github.com/Cyan4973/xxHash/>

ltrace

GPL-2.0

<https://github.com/dkogon/ltrace/>

network-manager

GPL-2.0+ (app), LGPL-2.1+ (libnm)

<https://download.gnome.org/sources/NetworkManager/>

opencv4

Apache-2.0

<https://github.com/opencv/opencv>

protobuf

BSD-3-Clause

<https://github.com/protocolbuffers/protobuf/releases/download>

openssh

BSD-3-Clause, BSD-2-Clause, Public Domain

<http://ftp.openbsd.org/pub/OpenBSD/OpenSSH/portable>

sdbus-cpp

LGPL-2.1+ with exception (headers)

<https://github.com/Kistler-Group/sdbus-cpp/archive/>

spdlog

MIT

<https://github.com/gabime/spdlog/archive/>

strace

LGPL-2.1+

<https://github.com/strace/strace/releases/download>

strongswan

GPL-2.0+

<http://download.strongswan.org>

tcpdump

BSD-3-Clause

<https://www.tcpdump.org/release>

tzdata

Public domain

<https://www.iana.org/time-zones/repository/releases>

wpa_supplicant

BSD-3-Clause

<http://w1.fi/releases>

linux

GPL-2.0

<https://cdn.kernel.org/pub/linux/kernel/vcustom.x>

boost-sml

BSL-1.0

<https://github.com/boost-ext/sml/>

csrp

MIT

<https://github.com/cocagne/csrp/>

dconf

LGPL-2.1+

<https://download.gnome.org/sources/dconf>

signify

ISC

<https://github.com/aperezdc/signify/releases/download>

tensorflow-lite

Apache-2.0

<https://github.com/tensorflow/tensorflow/>

tomplusplus

MIT

<https://github.com/marzer/tomplusplus>

tracy

3-clause BSD

<https://github.com/wolfpld/tracy/>

zxing-cpp-external

Apache-2.0

<https://github.com/glassechidna/zxing-cpp>