

NETATMO Indoor Camera Advance

Libraries we use (v1)

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

PACKAGE	VERSION	LICENSE	SOURCE SITE
alsa-lib	1.2.8	LGPL-2.1+ (library), GPL-2.0+ (aserver)	https://www.alsa-project.org/files/pub/lib
alsa-utils	1.2.8	GPL-2.0	https://www.alsa-project.org/files/pub/utills
libsamplerate	0.2.2	BSD-2-Clause	https://github.com/libsndfile/libsamplerate/releases/download/0.2.2
ncurses	6.4-20230429	MIT with advertising clause 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/ThomasDickey/ncurses-snapshots/archive/v6_4_20230429
systemd	252.4	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/archive/v252.4
bzip2	1.0.8	bzip2 license	https://sourceware.org/pub/bzip2
cryptsetup	2.6.1	GPL-2.0+ (programs), LGPL-2.1+ (library)	https://cdn.kernel.org/pub/linux/utils/cryptsetup/v2.6
json-c	0.16	MIT	https://s3.amazonaws.com/json-c_releases/releases
libargon2	20190702	CC0-1.0 or Apache-2.0	https://github.com/P-H-C/phc-winner-argon2/archive/20190702
lvm2	2.03.14	GPL-2.0, LGPL-2.1	https://sourceware.org/ftp/lvm2
libaio	0.3.113	LGPL-2.1+	https://releases.pagure.org/libaio
libselinux	3.3	Public Domain	https://github.com/SELinuxProject/selinux/releases/download/3.3
libsepol	3.3	LGPL-2.1+	https://github.com/SELinuxProject/selinux/releases/download/3.3
pcre2	10.42	BSD-3-Clause	https://github.com/PhilipHazel/pcre2/releases/download/pcre2-10.42
libopenssl	3.2.0	Apache-2.0	https://www.openssl.org/source

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libzlib	1.2.13	Zlib	https://www.zlib.net
popt	1.19	MIT	http://ftp.rpm.org/popt/releases/popt-1.x
util-linux-libs	2.38	LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid)	https://cdn.kernel.org/pub/linux/utils/util-linux/v2.38
elfutils	0.186	GPL-2.0+ or LGPL-3.0+ (library)	https://sourceware.org/elfutils/ftp/0.186
zstd	1.5.2	BSD-3-Clause or GPL-2.0	https://github.com/facebook/zstd/releases/download/v1.5.2
iptables	1.8.9	GPL-2.0	https://netfilter.org/projects/iptables/files
libmnl	1.0.5	LGPL-2.1+	http://netfilter.org/projects/libmnl/files
libnftnl	1.2.5	GPL-2.0+	https://netfilter.org/projects/libnftnl/files
kmod	30	LGPL-2.1+ (library), GPL-2.0+ (tools)	https://cdn.kernel.org/pub/linux/utils/kernel/kmod
libcap	2.69	GPL-2.0 or BSD-3-Clause	https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2
libcurl	8.5.0	curl	https://curl.se/download
libidn2	2.3.4	GPL-2.0+ or LGPL-3.0+ (library)	http://ftpmirror.gnu.org/libidn
libunistring	1.1	LGPL-3.0+ or GPL-2.0	http://ftpmirror.gnu.org/libunistring
libssh2	1.11.0	BSD	https://www.libssh2.org/download
nghttp2	1.57.0	MIT	https://github.com/nghttp2/nghttp2/releases/download/v1.57.0
libgcrypt	1.10.2	LGPL-2.1+	https://gnupg.org/ftp/gcrypt/libgcrypt
libpgp-error	1.47	GPL-2.0+, LGPL-2.1+	https://www.gnupg.org/ftp/gcrypt/libpgp-error
libmicrohttpd	0.9.76	LGPL-2.1+ or eCos	http://ftpmirror.gnu.org/libmicrohttpd
linux-pam	1.5.2	BSD-3-Clause	https://github.com/linux-pam/linux-pam/releases/download/v1.5.2
flex	2.6.4	FLEX	https://github.com/westes/flex/files/981163
p11-kit	0.24.1	BSD-3-Clause	https://github.com/p11-glue/p11-kit/releases/download/0.24.1
libffi	3.4.4	MIT	https://github.com/libffi/libffi/releases/download/v3.4.4
libtasn1	4.19.0	GPL-3.0+ (tests, tools), LGPL-2.1+ (library)	http://ftpmirror.gnu.org/libtasn1

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polkit	122	GPL-2.0	https://gitlab.freedesktop.org/polkit/polkit/-/archive/122
duktape	2.7.0	MIT	https://github.com/svaarala/duktape/releases/download/v2.7.0
expat	2.5.0	MIT	http://downloads.sourceforge.net/project/expat/expat/2.5.0
libglib2	2.72.3	LGPL-2.1+	https://download.gnome.org/sources/glib/2.72
pcre	8.45	BSD-3-Clause	http://downloads.sourceforge.net/project/pcre/pcre/8.45
attr	2.5.1	GPL-2.0+ (programs), LGPL-2.1+ (libraries)	http://download.savannah.gnu.org/releases/attr
bind	9.16.44	MPL-2.0	https://ftp.isc.org/isc/bind9/9.16.44
libuv	1.44.2	BSD-2-Clause, BSD-3-Clause, ISC, MIT	https://github.com/libuv/libuv/archive/v1.44.2
libxml2	2.11.6	MIT	https://download.gnome.org/sources/libxml2/2.11
readline	8.2	GPL-3.0+	http://ftpmirror.gnu.org/readline
bluez-tools	f65321736475429316f07ee94ec0deac8e46ec4a	GPL-2.0+	https://github.com/khvzak/bluez-tools/archive/f65321736475429316f07ee94ec0deac8e46ec4a
bluez5_utils	5.65	GPL-2.0+, LGPL-2.1+	https://cdn.kernel.org/pub/linux/bluetooth
bluez5_utils-headers	5.65	GPL-2.0+, LGPL-2.1+	https://cdn.kernel.org/pub/linux/bluetooth
dbus	1.12.28	AFL-2.1 or GPL-2.0+ (library, tools), GPL-2.0+ (tools)	https://dbus.freedesktop.org/releases/dbus
dbus-glib	0.112	AFL-2.1 or GPL-2.0+	http://dbus.freedesktop.org/releases/dbus-glib
boost	1.80.0	BSL-1.0	https://boostorg.jfrog.io/artifactory/main/release/1.80.0/source
brcm-patchram-plus	95b7b6916d661a4da3f9c0adf52d5e1f4f8ab042	Apache-2.0	https://github.com/AsteroidOS/brcm-patchram-plus/archive/95b7b6916d661a4da3f9c0adf52d5e1f4f8ab042

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btrfs-progs	5.16.2	GPL-2.0, LGPL-2.1+ (libbtrfsutil)	https://cdn.kernel.org/pub/linux/kernel/people/kdave/btrfs-progs
e2fsprogs	1.46.5	GPL-2.0, MIT-like with advertising clause (libss and libet)	https://cdn.kernel.org/pub/linux/kernel/people/tytso/e2fsprogs/v1.46.5
util-linux	2.38	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/v2.38
lzo	2.10	GPL-2.0+	http://www.oberhumer.com/opensource/lzo/download
busybox	1.36.1	GPL-2.0, bzip2-1.0.4	https://www.busybox.net/downloads
less	590	GPL-3.0+	http://www.greenwoodsoftware.com/less
mtd	2.1.5	GPL-2.0	ftp://ftp.infradead.org/pub/mtd-utils
tar	1.34	GPL-3.0+	http://ftpmirror.gnu.org/tar
ca-certificates	20230311	GPL-2.0+ (script), MPL-2.0 (data)	https://snapshot.debian.org/archive/debian/20230311T205011Z/pool/main/c/ca-certificates
catch2	3.3.1	BSL-1.0	https://github.com/catchorg/Catch2/archive/v3.3.1
cli11	2.3.1	BSD-3-Clause	https://github.com/CLIUtils/CLI11/archive/v2.3.1
crda	4.15	ISC	https://git.kernel.org/pub/scm/linux/kernel/git/mcgrof/crda.git/snapshot
libnl	3.7.0	LGPL-2.1+	https://github.com/thom311/libnl/releases/download/libnl3_7_0
davici	1.4	LGPL-2.1+	https://github.com/strongswan/davici/archive/v1.4
strongswan	5.9.13	GPL-2.0+	http://download.strongswan.org
gmp	6.2.1	LGPL-3.0+ or GPL-2.0+	http://ftpmirror.gnu.org/gmp
dhcpcd	9.4.1	BSD-2-Clause	http://roy.marples.name/downloads/dhcpcd
dhcpcdump	1.8	BSD-2-Clause	http://www.mavetju.org/download
libpcap	1.10.3	BSD-3-Clause	https://www.tcpdump.org/release
dnsmasq	2.89	GPL-2.0 or GPL-3.0	http://thekelleys.org.uk/dnsmasq
nettle	3.8.1	Dual GPL-2.0+/LGPL-3.0+	https://ftp.gnu.org/gnu/nettle

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earlyoom	1.7	MIT	https://github.com/rfjakob/earlyoom/archive/v1.7
f2fs-tools	1.15.0	GPL-2.0	https://git.kernel.org/pub/scm/linux/kernel/git/jaegeuk/f2fs-tools.git/snapshot
ffmpeg	4.4.4	LGPL-2.1+, libjpeg license	https://ffmpeg.org/releases
gnutls	3.7.8	LGPL-2.1+ (core library)	https://www.gnupg.org/ftp/gcrypt/gnutls/v3.7
opus	1.3.1	BSD-3-Clause	https://downloads.xiph.org/releases/opus
fftw-single	3.3.10	GPL-2.0+	http://www.fftw.org
fmt	9.1.0	MIT with exception	https://github.com/fmtlib/fmt/releases/download/9.1.0
gdb	11.2	GPL-2.0+, LGPL-2.0+, GPL-3.0+, LGPL-3.0+	http://ftpmirror.gnu.org/gdb
glib-networking	2.70.1	LGPL-2.0+	https://download.gnome.org/sources/glib-networking/2.70
gst1-plugins-bad	1.22.8	LGPL-2.0+, BSD-2-Clause	https://gstreamer.freedesktop.org/src/gst-plugins-bad
gst1-plugins-base	1.22.8	LGPL-2.1+	https://gstreamer.freedesktop.org/src/gst-plugins-base
gstreamer1	1.22.8	LGPL-2.1+	https://gstreamer.freedesktop.org/src/gstreamer
libunwind	1.6.2	MIT	http://download.savannah.gnu.org/releases/libunwind
libogg	1.3.5	BSD-3-Clause	http://downloads.xiph.org/releases/ogg
libnice	0.1.21	MPL-1.1 or LGPL-2.1	https://libnice.freedesktop.org/releases
libsrt	2.4.2	BSD-3-Clause	https://github.com/cisco/libsrtp/archive/v2.4.2
vo-aacenc	0.1.3	Apache-2.0	http://downloads.sourceforge.net/project/opencore-amr/vo-aacenc
gst1-plugins-good	1.22.8	LGPL-2.1+	https://gstreamer.freedesktop.org/src/gst-plugins-good
pulseaudio	16.1	LGPL-2.1+ (specific license for modules, see LICENSE file)	https://freedesktop.org/software/pulseaudio/releases

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libsndfile	1.2.0	LGPL-2.1+	https://github.com/libsndfile/libsndfile/releases/download/1.2.0
libsoxr	0.1.3	LGPL-2.1+	http://downloads.sourceforge.net/project/soxr
libtool	2.4.6	LGPL-2.1+	http://ftpmirror.gnu.org/libtool
webrtc-audio-processing	0.3.1	BSD-3-Clause	http://freedesktop.org/software/pulseaudio/webrtc-audio-processing
iperf3	3.14	BSD-3-Clause, BSD-2-Clause, MIT	https://downloads.es.net/pub/iperf
iw	5.19	ISC	https://cdn.kernel.org/pub/software/network/iw
jemalloc	5.3.0	BSD-2-Clause	https://github.com/jemalloc/jemalloc/releases/download/5.3.0
jpeg-turbo	2.1.4	IJG (libjpeg), BSD-3-Clause (TurboJPEG), Zlib (SIMD)	https://downloads.sourceforge.net/project/libjpeg-turbo/2.1.4
jq	1.7.1	MIT (code), ICU (decNumber), CC-BY-3.0 (documentation)	https://github.com/jqlang/jq/releases/download/jq-1.7.1
json-for-modern-cpp	3.11.3	MIT	https://github.com/nlohmann/json/archive/v3.11.3
libbacktrace	9b7f216e867916594d81e8b6118f092ac3cf704	BSD-3C-like	https://github.com/ianlancetaylor/libbacktrace/archive/9b7f216e867916594d81e8b6118f092ac3cf704
libbsd	0.11.3	BSD-2-Clause, BSD-3-Clause, BSD-4-Clause, BSD-5-Clause, MIT, ISC, Beerware	https://libbsd.freedesktop.org/releases
libmd	1.0.4	BSD-2-Clause, BSD-3-Clause, Beerware, ISC, Public Domain	https://archive.hadrons.org/software/libmd
libgpod	1.6.3	LGPL-2.1+	https://www.kernel.org/pub/software/libs/libgpod
libical	1.0.1	MPL-1.0 or LGPL-2.1	https://github.com/libical/libical/releases/download/v1.0.1
libiio	0.24	LGPL-2.1+	https://github.com/analogdevicesinc/libiio/archive/v0.24
libndp	1.8	LGPL-2.1+	https://github.com/jpirko/libndp/archive/v1.8

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libpng	1.6.39	Libpng-2.0	http://downloads.sourceforge.net/project/libpng/libpng16/1.6.39
libpsl	0.21.2	MIT, BSD-3-Clause	https://github.com/rockdabout/libpsl/releases/download/0.21.2
libsoup	2.74.2	LGPL-2.0+	https://download.gnome.org/sources/libsoup/2.74
sqlite	3.40.1	Public domain	https://www.sqlite.org/2022
libusb-compat	0.1.7	LGPL-2.1+	https://github.com/libusb/libusb-compat-0.1/releases/download/v0.1.7
libusb	1.0.26	LGPL-2.1+	https://github.com/libusb/libusb/releases/download/v1.0.26
lighttpd	1.4.69	BSD-3-Clause	http://download.lighttpd.net/lighttpd/releases-1.4.x
xxhash	0.8.1	BSD-2-Clause (library), GPL-2.0+ (xxhsum)	https://github.com/Cyan4973/xxHash/archive/v0.8.1
ltrace	82c66409c7a93ca6ad2e4563ef030dfb7e6df4d4	GPL-2.0	https://github.com/dkogan/ltrace/archive/82c66409c7a93ca6ad2e4563ef030dfb7e6df4d4
mbedtls	2.28.5	Apache-2.0	https://github.com/ARMmbed/mbedtls/archive/v2.28.5
ne10	1.2.1	BSD-3-Clause or Apache-2.0	https://github.com/projectNe10/Ne10/archive/v1.2.1
network-manager	1.40.10	GPL-2.0+ (app), LGPL-2.1+ (libnm)	https://download.gnome.org/sources/NetworkManager/1.40
opencv4	4.8.1	Apache-2.0	https://github.com/opencv/opencv/archive/4.8.1
protobuf	21.12	BSD-3-Clause	https://github.com/protocolbuffers/protobuf/releases/download/v21.12
openssh	9.6p1	BSD-3-Clause, BSD-2-Clause, Public Domain	http://ftp.openbsd.org/pub/OpenBSD/OpenSSH/portable
sdbus-cpp	1.2.0	LGPL-2.1+ with exception (headers)	https://github.com/Kistler-Group/sdbus-cpp/archive/v1.2.0
spdlog	1.11.0	MIT	https://github.com/gabime/spdlog/archive/v1.11.0

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strace	6.1	LGPL-2.1+	https://github.com/strace/strace/releases/download/v6.1
tcpdump	4.99.4	BSD-3-Clause	https://www.tcpdump.org/release
tzdata	2023c	Public domain	https://www.iana.org/time-zones/repository/releases
wireless-regdb	2023.09.01	ISC	https://cdn.kernel.org/pub/software/network/wireless-regdb
wpa_supplicant	2.10	BSD-3-Clause	http://w1.fi/releases
linux	2d5af51f592cd0f496378f1a4b11db068e47f79e	GPL-2.0	ssh://git@gitlab.corp.netatmo.com:1021/camera/linux-kernel.git
bcmdhd	101.10.361.39-netatmo-2	Ampak	ssh://git@gitlab.corp.netatmo.com:1021/camera/bcmdhd.git
boost-sml	1.1.3	BSL-1.0	https://github.com/boost-ext/sml/archive/v1.1.3
csrp	856921666e0fb85daae7496089e39f6c1913a35f	MIT	https://github.com/cocagne/csrp/archive/856921666e0fb85daae7496089e39f6c1913a35f
dconf	0.40.0	LGPL-2.1+	https://download.gnome.org/sources/dconf/0.40
gsl-cpp	v3.1.0	MIT	https://github.com/microsoft/GSL/builds/camera/camera/modules/externals/realtek-r8152
realtek-r8152	v2.19.2	GPLv2	https://github.com/aperezdc/signify/releases/download/v30
signify	30	ISC	https://github.com/tensorflow/tensorflow/archive/v2.12.0
tensorflow-lite	2.12.0	Apache-2.0	https://github.com/marzer/tomlplusplus/archive/v3.3.0
tomlplusplus	3.3.0	MIT	https://github.com/wolfpld/tracy/archive/v0.10
tracy	0.10	3-clause BSD	https://github.com/glassechidna/zxing-cpp/archive/e0e40ddec63f38405aca5c8c1ff60b85ec8b1f10
zxing-cpp-external	e0e40ddec63f38405aca5c8c1ff60b85ec8b1f10	Apache-2.0	https://github.com/glassechidna/zxing-cpp/archive/e0e40ddec63f38405aca5c8c1ff60b85ec8b1f10