IntelliGaze™ – Release Notes   http://www.alea-technologies.de

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IntelliGaze was tested with the Antivirus Tool Windows Defender. Other tools such as AVG, Antivir, McAfee or Kaspersky can cause unpredictable behavior. Use them without support at your own risk.

IntelliGaze v11 requires Windows 11 or Windows 10.
IntelliGaze will run in trial mode on older cameras without license upgrade. Please check your license status in advance.

Version 11.0.8661 – (18.9.2023)

New
- QuickStart guide updates

Fixes
- Com Interface of the API reworked to improve forward compatibility

Version 11.0.8636 – (24.8.2023)

Fixes
- improved camera reconnect behaviour

Version 11.0.8595 – (14.7.2023)

New
- tracker improvements for Cam30NXT devices

Version 11.0.8563 – (12.6.2023)

Fixes
- license of Cam30NXT could not be updated
- Gaze Assistant crash when exporting XPS report
- keyboard shortcuts not localized
- closing OSK with the X button resets the keyboard modifier

Version 11.0.8528 – (8.5.2023)

New
- close button on OSK
- sentence history in OSK can now be cleared with ResetIntelliGaze
- keyboard layout selection is now persistent
- infobar message when a calibration is loaded or saved
- DisableModernStandby.reg added to /tools to fix the wake up from standby issue in Microsoft Surface tablets (optional)

Fixes
- camera reconnect issues fixed
- scaling issues on smaller monitors
- keyboard font size changes
- offscreen activations are now inactive in live mouse mode when paused
- service tool crash, privacy policy
- dwell feedback off turned off clicks
- disable keyboard shortcuts no longer requires a program restart
- crash after monocular calibration

Version 11.0.8472 - Beta (13.03.2023)

New
- gaze tracking performance improvements

- cpu load reduction
- new API call to stream more eye parameters to client applications
- debouncing dwell buttons
- prevent repeated click option for dwell buttons
- larger magnifier
- gaze tracking performance improvements
- new command line parameter "nosplash" to prevent splash screen

Fixes
- cam nxt didn't show the correct total up time
- reconnect issues with all cameras on some platforms
- autostart wasn't applied before the next intelligaze start
- cpu load reduced when showing live camera view
- tracking status not properly initialized after program start
- fix for ThirdParty application launching IntelliGaze with "background" parameter

Version 11.0.8419 - Pre (19.01.2023)

New
- gaze buttons now have a click animation
- header in all option dialogs
- can now lock options for users
- launch calibration from options
- calibration star rating
- pause visualization
- disable offscreen overlays when system is paused
- auto stop when doing eye and desktop recording
- option to debounce clicks on gaze buttons
- larger offscreen region
- gaze buttons better accessible when offscreen region is right next to the screen

Fixes
- no audio feedback when doing zoom click DnD
- IntelliGaze clicks without valid data
- selecting task in taskmanager doesn't close home
- zoom clicks in corners improved
- larger zoom region
- high gpu load when camera view not visible
- camera view was top most and covering pop up dialogs
- keyboard offscreen overlay not visible when keyboard is open
- desktop is not cleaned (side bar) when API client connects to IntelliGaze

Version 11.0.8271 - Pre (13.10.2022)

New
- show numbers as targets in gaze verification
- calibration process is now touch friendly
- zoom click visualized
- 0 point calibration

Fixes
- scroll overlay now DPI aware
- Keyboard shortcuts handling in app profiles (key recording) ignored
- high processing load of IG11 and Cam30NXT
- side menu was sometimes visible in home screen
- options and home is closed now when camera was disconnected
- several GUI scaling issues fixed on tablet
- skip bad points during calibration fixed
- search camera dialog can't be closed with touch
- improve and retry in calibration result dialog fixed
- memory leak when using precise clicker
- click noise on gaze over buttons removed

Version 11.0.8271 - Pre (24.08.2022)

New
- confirmation question when exiting IntelliGaze
- mouse action switched back to left after right, double left or dnd
- mouse actions are now lockable
- show volume in percent on home screen
- call help function
- click animation
- windows button on home screen
- optional help text on op bar
- CPU and GPU performance optimized
- flat front option in set up wizard

Fixes
- layout of calibration result dialog is messed up on Gridpad
- searching camera message is too sensitive
- voice selection is not persistent
- keyboard opens although no data is available
- GUI layout issues fixed
- keyboard doesn't open in rare cases

Version 11.0.8223 - Pre (07.07.2022)

Note: ***This version drops Windows 8 and Windows 7 support.***

New
- Cam30NXT support
- new desktop control

Version 5.5.8382 - (13.12.2022)

New
- support for new camera Cam30NT v1.5
- support new camera driver 4.96

Fixes
- logging USB low voltages on SB1x platforms

Version 5.5.8174 - (19.5.2022)

New
- support for new camera driver 4.95 fixing the problem that waking up from sleep can create a BSOD occasionally
- support for Cam30NT and SB12OEM with serial numbers: `IC3x-n.nn-X-nnnn-`<mark>`aaaa`</mark>

  (refer to Product Change Note 220411_A)

  `aaaa ≥ '2218'`

Version 5.5.7881 - (30.07.2021)

New
- API – data support for Tolt Technologies ability-drive

Fixes
- in rare cases in-operational Operation Center pops up when Grid is launched
- crash when Windows has no audio device available

Version 5.5.7761 - (1.04.2021)

New

- new app, Telegram, PDF Viewer, Youtube Music (experimental)
- improved browser app (autoscroll function, integrated PDF View, easy accessible search option)
- Profile support for Look to Learn 2021

Fixes

- Click with keyboard switch (Neuronode), didn't work with magnifier
- Mouse click events not working when browser is zoomed
- Launcher page not gaze accessible after edit

Version 5.5.7716 - (15.02.2021)

New

- Russian keyboard layout and word prediction
- Profile support for Look to Learn 2021

Fixes

- shift key on OSK is clicked but keys are lower case after page flip

Version 5.5.7635 - (26.11.2020)

New

- ICC now supports apps (Browser, Swifttalker) and cloud apps (WhatsApp, Facebook, Gmail, Youtube, Twitter)
- Existing ICC content will be incompatible with this version
- OSK with emoji, sentence history
- new API to stream eyeball position and IntelliGaze status
- Skip bad points calibration option now uses a timed calibration
  (calibration feels smoother but can fail if the user is not attentive)
- Default cam standby time set to 5min

Fixes

- Status windows pops up after calibration although hidden by API
- Status window eye camera view now shown is correct proportions
- IntelliGaze quits when pressing the "@" on virtual keyboard
- Incorrect voice settings fixed

Version 5.1.7475 - (19.06.2020)

Fixes

- Bad accuracy under head movement on Gridpad12 and 15
- User Interface scaling didn't work on Gridpad12 and 15
- Bluetooth keyboards can now trigger clicks
- Changing keyboard trigger doesn't require IntelliGaze restart anymore

Version 5.1.7346 - (11.02.2020)

New

- Support for the Gridpad12 device
- improved calibration with partially covered eyes
- animated calibration now API accessible
- improved eye video display
- activate camera view in status window of Grid with touch
- OnScreenCommunicator profile
- Support for 64bit native C API apps (Python, Matlab, etc.)
- Support for GEWA environmental control
- Cam driver update to 4.92 to increase compatibility with Windows 10

Fixes

- Audio synchronization issue with desktop recording
- Shrinking rectangle gaze cursor fixed
- Side menu doesn't disappear when pause is activated from operation center

- Modern UI apps now in IntelliGaze task manager visible
- Calibration timeout triggered too early when doing a manual or Grid3 calibration
- Calibration timeout triggered to early when doing a manual calibration from within Grid

Version 5.0.6946 - (7.1.2019)

Fixes
- Task manager no longer shows full screen start menu button
- Installer fails to install when a newer VC redistributable was installed
- Several scaling issues in preferences at 150 DPI
- Scrollbars now touch friendly
- Position helper D&D and magnifier not working when switching between modern UI and standard app

Version 5.0.6873 - (26.10.2018)

Fixes
- very seldom IntelliGaze doesn't not start with the message that the license must be renewed although license didn't expire
- Esc on physical keyboard loads the default profile
- possible crash when using the alea keyboard and quick communication
- crash when resizing Chrome Browser or WhatApp desktop app
- WhatsApp not scrolling contact list
- long touch input can close ICC
- Calibration window is behind Rolltalk UI

Version 5.0.6831 - (14.09.2018)

Fixes
- IntelliGaze task list shows IntelliGaze
- Voice settings not saved
- Audio feedback not working when pinning modern UI side menus
- Pause button resets pinned menu
- Side menus disappear faster when not looking at them
- Sound bug in operation center after the alarm sound was played once
- Position helper and magnifier doesn't work when mouse mode is set to mouse emulation or fast mouse
- Position helper and reading scroll doesn't work in modern UI apps
- System gesture button doesn't work in modern UI apps
- Touch gestures don't work in modern UI apps
- Edit cell is sluggish in some combinations of display DPI - display resolution

Version 5.0.6813 - (27.08.2018)

Fixes
- shrinking rectangle gaze cursor was invisible when blink activation was chosen
- some Monitor Calibration values which worked in previous versions of IntelliGaze didn't work anymore
- desktop recording crashed when Window10 blocked access to the mic hardware
- IntelliGaze blink detection parameters are not reset when an API application disconnects

Version 5.0.6780 - (25.07.2018)

Fixes
- improved stability of Gaze Assistant
- animated calibration target wasn't working in Assisted Mode in some cases
- API calibration (Grid 2 / Grid 3 Manufacturer Calibration / Rolltalk) no longer uses animated calibration target by default
- calibration window is always on top again

Version 5.0.6775 - (20.07.2018)

New
- improved calibration, smoother movement of target
- live preview of calibration target in preferences dialogue
- new animated calibration for children

- localized dialogs are now fully DPI aware, lengthy translations are no longer cut off
- show hint in profile pop-up windows if no secondary trigger is enabled but supported by profile

Fixes
- cursor artifacts when moving cursor slightly above the screen boundary in Windows 8.1.
- unstable USB connection is now reported as such, formerly a missing license was reported
- an auto-update deletes ICC pages in some cases

Version 5.0.6660 - (27.03.2018)

Fixes
- Installer didn't uninstall all files
- Installer repair now actually repairs a broken installation
- Update from IntelliGaze between 5.0.6618 and 5.0.6645 to any newer version breaks the connection between Grid3 and IntelliGaze, restart the installer and click "repair" to fix the problem

Version 5.0.6645 - (12.03.2018)

Fixes
- the cursor and status windows behavior setting could not be changed in assisted mode
- operation center didn't open with touch in some application (Grid3 with mouse input)

Version 5.0.6628 - (23.02.2018)

Fixes
- IntelliGaze crashes when a Grid calibration was started and canceled in Grid3 on a PC which never did an IntelliGaze Calibration
- Download button not visible on the ReleaseNotes of version 5, download this version from the IntelliGaze website if you experience this problem
- Online help not shown in error feedback form
- Error feedback windows immediately disappeared
- ICC: drag n drop of tracking status cell doesn't work
- ICC: tracking status cell cannot be selected for editing in gaze editing mode

Version 5.0.6618 - (13.02.2018)

New
- can now queue IR commands to select 2 or 3 digits TV channels with a numeric keypad

Fixes
- ICC: preview of environmental control commands didn't work in cell editor
- ICC: could not restore layout when a read only image was backup
- ICC: could not use ResetIntelliGaze when a read only image was used in a layout
- ICC: icons on toolbar were too small on HiDPI displays
- ICC: creation of buttons on previously deleted and recreated pages didn't work
- ICC: Environmental control can be used simultaneously by Grid and IntelliGaze
- can now use version 5 on Windows 8.1
- reduced number of reboots when installing / updating the driver

Version 5.0.6590 - (16.01.2018)

New
- integrated multilingual, eye editable communication pages with integrated icons, optional symbols and environmental control
- redesigned side menus to unify user experience in modern UI and desktop
- side menus stay open for a moment to ease selection
- bright keyboard schema available
- robust dwell clicking on gaze buttons and keyboard
- external tool to edit / import / export the user dictionary of the word prediction
- shift key can toggle capitalization of predictions
- prediction resets when the input focus is set to a different context
- keyboard offers capitalization on predicted words

- general improvements of the keyboard and word predictions
- Greek keyboard and word predictions
- idle enable tool added to increase battery lifetime on tablet computers
- monitor Off API call
- extended Calibration Result API call to display binocular calibration results in client apps
- redesigned warning messages, system is not "over-warning" anymore to not disturb the user
- audio device can be selected for speech output
- system gestures and offscreen swipes are now disabled in desktop mode of Windows 10
- FPS counter in camera view to analyze timing issues on a PC
- Dutch translation

Fixes
- pause symbol in status windows was active although an API application was in control of the cursor
- default keyboard layout was active also it was unchecked in the preferences
- camera did not connect when the plane was not measured
- crash when using the magnifier, very seldom IntelliGaze would crash if the magnifier was opened
- IntelliGaze fails to start integrated Windows OSK on 64bit
- collect logs tool wasn't working
- auditive click feedback wasn't working in Windows 10 apps
- switch to cursor shapes (default profile) didn't work
- start menu scrolling in Windows 10 didn't work anymore
- rectangle dwell feedback didn't work properly
- task manager didn't work when the Windows OSK was used

Version 4.2.6389 - (29.06.2017)

New
- improved driver compatibility with Windows 10 anniversary update

Fixes
- open operation center with touch didn't work when IntelliGaze was put into Windows autostart with the tool "CreateAutostart" or with autostart option in the application center
- fixating objects in the Windows environment was difficult on retina displays (hi res displays)
- DPI issue with magnifier on retina displays (hi res displays)
- monitor calibration tool with option to measure "flat front" set-ups

Version 4.2.6122 - (5.10.2016)

Fixes
- sleep mode not working after Windows10 anniversary update (home edition)
- after a failed calibration a misleading calibration result was shown
- loading a calibration altered the calibration preferences
- IntelliGaze lost calibration after changing some calibration preferences
- API Clients don't connect after Demo Mode
- API Clients don't connect after sleep or hibernation
- crash when eye image view was open for too long
- possible crash when side menus were opened with keys in demo mode
- false hardware error 3 after disconnecting and connecting the camera again

Version 4.2.6024 - (29.06.2016)

New
- Support for Onyx PC touch display
- send a single key as trigger action to use scanning in AAC software
- option to prevent double activations in trigger regions

Fixes
- Popup windows on keyboard trigger too fast
- text preview window at wrong position in high DPI modes
- Calibration settings were lost when switching between Grid3 and IntelliGaze assisted access
- Windows OSK did not work in 64bit system

Version 4.2.6008 - (13.06.2016)

New
- OSK extensions: word prediction, word correction, learning dictionary
- new Polish keyboard layout
- custom keyboard click sounds
- OSK in 3 different sizes available
- OSK can be kept open with a lock function
- Communication Page: quick speech generation using the SAPI5 voices (Windows 10 or custom)
- Tellus 5 and Motion Computing devices can use hardware buttons to start a calibration
- pause symbol in status window
- Gaze Assistant report improved
- options dialogs are now DPI aware
- scalable Operation Center
- online update improved
- improved wake up from user sleep

Fixes
- cursor shape setting was not persistent in Assisted Mode
- option to always hide the status window in Assisted Mode
- performing a calibration in Grid2/Grid3 reset the calibration settings in IntelliGaze

Version 4.1.5814 - (02.12.2015)

New
- Windows 10 support, its recommended to use Windows 10 in tablet mode
- separate tool to verify the accuracy
- downgrade license now creates a termination code
- demo mode to emulate gaze data with mouse (Ctrl+F12)
- help functions to open side menus and keyboard with touch
- support for direct mouse click hardware to replace dwell clicks

Fixes
- "cable too long " message was falsely triggered
- power supply errors are now reported properly
- some setting where lost after an update

Version 4.0.5711 - (21.8.2015)

Fixes
- Italian labels where not in the right place on some dialogs
- Logging messages added and fixed
- Pause was not always reliable started when a physical mouse was moved
- Windows cursor is now enforced when using "smart cursor" and disabled in "raw" or "mouse emulation"   mode
- Could not assign a new action to the primary trigger
- Invisible useless blickfang was left on the desktop after opening the operation center options

Version 4.0.5661 - (2.7.2015)

New
- Cue cursor (blue dot) can be made large
- Pause animation unified in operation center and side menu
- Option to use a large font on OSK
- Operation Center can be shows in application center (to pause in safe mode)
- Can now accept a calibration with keyboard (keys 1,2,3 to accept, improve, retry)
- Fall back to alea OSK when third party keyboard is not available
- Switch preview in input selection of the preferences
- Profile editor now with 2 extra buttons to navigate faster through profile list
- Elements in profile editor are now easier to hit with gaze

Fixes
- App can't be renamed in application center
- White background color of some modern UI apps hide foreground text
- Click noise not working when clicking on "current application" tab
- Scroll function not working in mouse emulation mode
- Wrong status window size in Grid2 on high DPI settings
- Alea OSK keyboard layout selection is now persistent

Version 4.0.5641 - (12.6.2015)

New
- Clicking X in the calibration accept dialog restores previous calibration, countdown timer to restore previous calibration in calibration accept dialog when gaze activated
- Gaze controls menus (offscreen menus, operation center) are now scaled to a fixed physical size independed of the windows DPI setting, optional enlargement of gaze controls in service mode
- Calibration will exit automatically after 30secs of inactivity, previous calibration will be restored
- Actual dwell time in ms now shown in IntelliGaze options
- Dasher profile
- Multitext was not shown in the task manager of the operation center
- Missing translations in confirm quit dialog
- Calibration accept dialog can't be closed with eye anymore if calibration was started with touch
- License upgrade from an old "standard" license to any new IntelliGaze v4 license at the start of Intelligaze didn't work
- Deactivation of keyboards (integrated, win7, third party) didn't work

Version 4.0.5563 - (26.3.2015)

Fixes
- Windows cursor disappeared when closing Grid2 and IntelliGaze was started by Grid
- Background color of some icons in application center was white
- Modern UI app did not close properly on Windows 8.1
- Accuracy offset after opening the Windows 8 integrated keyboard in the magnifier
- Operation Center volume setting was not saved when "maximize call help volume" was active
- Trigger activation by blink in gaze regions was unreliable
- Skype, automatic keyboard in chat window
- Internet Explorer, Firefox keyboard opens on edit fields only
- Operation Center opens only when gazing in the middle third above the screen
- larger Blickfang areas in confirm quit and user sleep dialogs

Version 4.0.5533 - Release Candidate (24.2.2015)

New
- Fast cursor (previously Raw Cursor) now snaps into Blickfangs
- Pause in Operation Center of Safe Access
- Eyevideo view is now mirrored

Fixes
- Wake up from sleep no longer freezes camera on some computers
- Gaze cursor was visible at start although no eye was tracked
- Couldn't toggle status windows to eyevideo when tracking not active
- Prevent dwell animation outside operation center when used with gaze

Version 4.0.5518 - Beta (9.2.2015)

New
- new appearance option to configure status windows behavior
- automatically close operation center after unpause
- access IntelliGaze preferences from facilitated mode
- optionally maximize call help volume
- user calibration marked in operation center of calibration changed
- gaze initiated calibration superseded by operation center start calibration
- keyboard shortcuts to operate facilitated operation center
- monitor calibration autodetects screen size
- support for DPI up to 150%

- Export profiles tool
- Keyboard trigger now accepts more keys to work with switch buttons which can't emulate F13-F24 keys

Fixes
- Operation Center could not be opened with touch on recent tablet pcs such as Panasonic, Motion Computing, Sahara Paceblade, Tellus4
- status was not show at the right position in Grid2 when DPI was no set to 100%
- status disappeared in Grid2
- external screen wake up also wakes up IntelliGaze
- camera connection error after wake from standby
- couldn't toggle eyevideo when tracking not active