



Company:

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Z-N720

Naviceiver



ZENEC Z-N720 – Navigation · Entertainment · Communication

ZENEC's multimedia navigation systems use the most advanced technologies and offer you the very best quality, an enormous range of performance and features combined with ease of use. ZENEC is the market leader in the German speaking area for in-car multi-media: an innovator that is consistently extending its position with each new product generation.

The first of a new kind – evolution by innovation

The Z-N720 is a new naviceiver in the ZENEC program, equipped with the latest technology in terms of multimedia, navigation and Bluetooth hands free functionality. Although the Z-N720 corresponds to the dimensions of standard 2-DIN devices, this innovative high tech naviceiver is fitted with a removable front panel and thereby overcomes the limitations of the old DIN standard established in 1984.

The detachable front panel design provides for two different mounting and integration options: Deploying any of the commercially available car specific standard aftermarket 2-DIN mounting kits, the Z-N720 is suitable for installation in most vehicles featuring a 2-DIN slot. Yet in conjunction with a mounting kit of the Baseline "OmniMask" product line up, perfect technical and optical integration of the Z-N720 is provided for in the target vehicle – closely resembling OE factory navigation systems.

Multimedia on the move

Enjoy the whole range of digital entertainment – the integrated CD/DVD loader and USB port allow for the playback of all the current media and A/V formats.

Using an interface cable available separately, you can connect your iPod and iPhone easily to the ZENEC naviceiver and control it via the fast reacting touchscreen display.

Best reception quality, a full range of RDS functions and many additional comfort features, like 30 station presets or the Best Station Memory, are offered by the integrated AM/FM radio tuner. For powerful playback of all A/V formats, the Z-N720 is equipped with a built-in 4 x 40 W amplifier; another external power amp can be connected to the 4.1 preamp output.

Also impressive is the integrated hands-free system from Parrot, which communicates perfectly with your smart phone for stress-free calls when driving. For users who prefer listening to stored on their mobile phone, A2DP with AVRCP 1.4 is also supported.

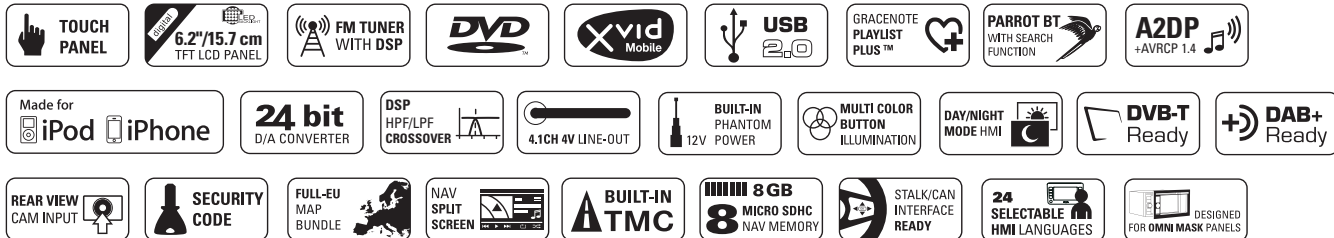
Navigate unerringly

For the navigation part, the Z-N720 is perfectly equipped. Detailed maps of all European countries, realistic display of 3D terrains and 3D landmarks, more than 6.5 million Premium POIs, TMC, integrated trip computer, Auto Zoom, Lane Assistant and Smart Mode – thanks to the latest customized Primo 2.0 nav-software the Z-N720 impresses with its diversity of functions and with accurate route guidance.

The map data can be updated via microSD card at any time – thus the Z-N720 is an up-to date multimedia navigation by today's standards, and will stay cutting edge also in the future.

*The separately available "OmniMask" kits for a selected range of vehicles always include the car specific front panel, the CAN/Stalk interface and other accessories required for the installation and connection of the Z-N720.

Features



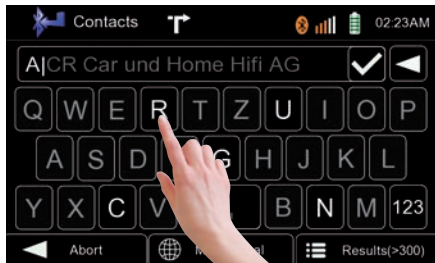
Front panels in high gloss black and matt

The set content includes two front panels in black matt and high gloss. The "click-on design" 2-DIN main front panel is affixed to the main device body just before the installation is completed. Almost all commonly available vehicle-specific 2-DIN installation kits of current accessory suppliers are suitable for use with the Z-N720.



Up-to-date navigation

The full EU navigation package on 8 GB microSD card deploys a customized 2.0 Primo navigation engine and contains 6.5 million Premium POIs as well as other useful add-ons. The 8 GB microSD card provides more than ample space for map updates and other content extensions via toolbox and Navixtras.



Optimized ease of use

The clearly designed menus are self-explanatory and intuitive to operate. Large control fields and a logically structured operation ensure that the Z-N720 can also be controlled without distraction while driving.



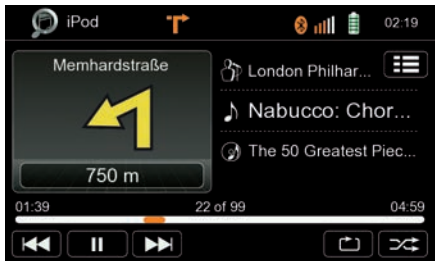
FM Tuner with DSP

The analog radio receiver front-end of ZENEC's Z-N720 naviceiver features a DSP software algorithm to provide noise masking for low level FM station broadcast signals and radio playback of improved clarity.



Connection steering wheel remote control

The Z-N720 connects to and operates with standard aftermarket CAN/Stalk interfaces to retain all the vehicle specific comfort functions of the steering wheel remote control, such as playback volume control, station and/or track skip and phone pick-up/hang-up, etc.



Nav splitscreen

Always keep track: The Z-N720 allows navigation splitscreen mode on the TFT LCD screen for all audio sources, including the Bluetooth hands-free source mode.



Gracenote Playlist Plus

The Gracenote "More Like This" feature stands for the "one-click" generation of style and genre based playlists in USB playback mode by pre-selecting a single song/track.



Easy parking and maneuvering

The Z-N720 allows to connect universal or vehicle specific rear view cameras providing a CVBS video signal, with reverse gear triggered automatic operation. The ZENEC accessories program offers a broad selection of different rear view cams for vehicle-specific use on passenger cars, motorhomes and van type vehicles.



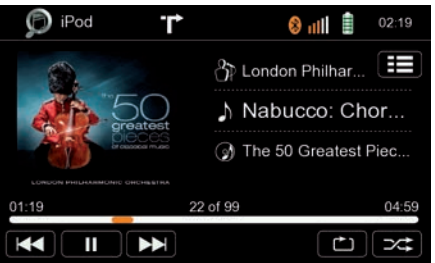
Multicolor button illumination

For best optical integration into the vehicle interior and optimum match to the instrument cluster illumination of European vehicles, the ZENEC Z-N720 offers multicolor button illumination, e.g. a user selectable choice of six predefined button illumination colors.



All-round information

Thanks to the infobar function, you will be notified of incoming calls and/or audio playback status without leaving the navigation mode. In other playback modes there is also a navigation infobar to keep you updated when to take the next turn or exit.



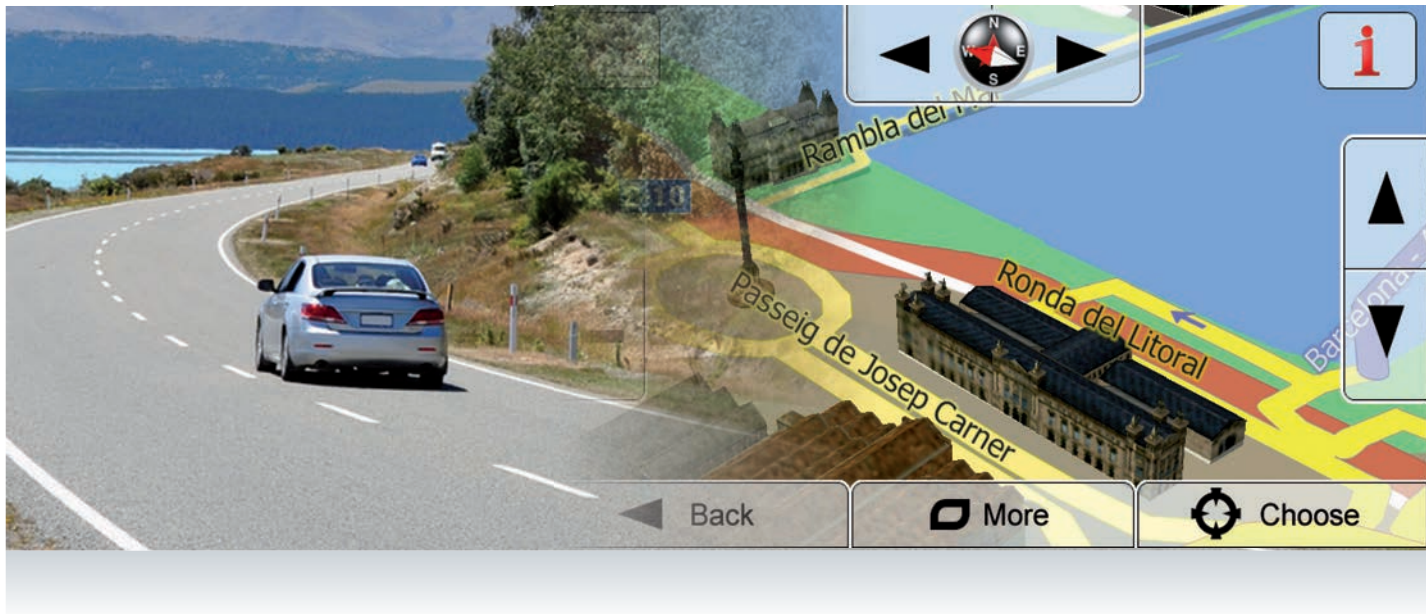
Simple connection of iPod/iPhone

Connect your iPod or iPhone to the Z-N720 device via the USB port. The display of Apple Album Art is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.



OmniMask mounting kits by ZENEC

The "OmniMask" kits are tailored for perfect dashboard integration of the Z-N720 in selected European car models. The kits include a car specific front panel and all bits and pieces required for mounting the Z-N720 in given target vehicles, e.g. CAN/Stalk interfaces, antenna adapters, etc.



Your Perfect Navigator

The Z-N720 combines up-to-date entertainment features with an innovative microSD card based GPS navigation system.

ZENEC's naviceiver has the latest maps of all European countries preloaded (with Premium POIs), which appear highly realistic, thanks to the 3D high-definition rendering of terrain and 3D objects.

ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The "Quick Menu" provides straight access to all sat nav functions. Fastest, easy and shortest route calculation modes provide the user with a choice to suit personal driving habits.

The Z-N720 naviceiver allows navigation splitscreen mode on the TFT LCD screen for all audio sources, including the Bluetooth hands-free source mode.

With the "Parking Around" function appropriate parking spots near you will start to show up, once you approach your final destination.

Features like the Real Junction View function, the Lane Assistant or the Auto Zoom at crossings and junctions facilitate orientation in more

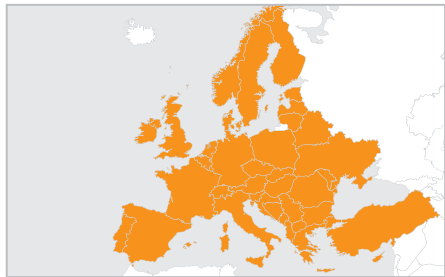
complex traffic situations. Part of the extensive feature set is the display of traffic information/guidelines when entering an EU country and the visual and audible warning to indicate speed limits on major roads.

For best overview, a turnkey arrow screen insertion can be displayed during active route guidance for both audio playback and Bluetooth operation modes.

The TMC function keeps you up to date regarding potential traffic jams on the chosen route, while automatic re-calculation of a suitable detour is a function covered as well.

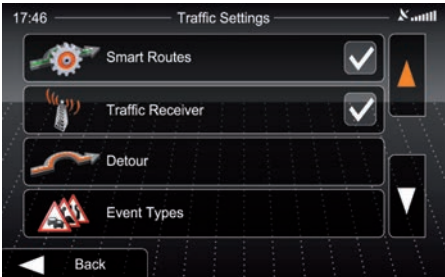
A congested intersection or a traffic jam, simply reported too late by TMC? The Z-N720 is well informed, proposing alternative routes in real-time, recommending best route options.

You can update the naviceiver's content package, expand the navigation with additional maps, POIs or download the newest 3D city maps using the www.zenec.naviextras.com portal: anytime, even in the middle of the night or abroad during a journey.



Navigate through Europe the clever way

Detailed maps of all European countries give you perfect orientation throughout Europe. For menu and voice navigation there are 28 different languages to choose from.



TMC

The TMC* function gives you timely information about traffic jams on your route and possible detours.

*Extendable functionality via separate TMC pay service providers (country specific).



Latest Map Guarantee

ZENEC's 30 days Latest Map Guarantee: If updated maps are available within 30 days of your first use of the device on the road, you can download a new map package from www.zenec.naviextras.com for free.



High-resolution 3D maps

The high-resolution WVGA display of the Z-N720 ensures that all maps appear pin-sharp. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable.



Topographic maps

Realistic 3D landscape views lead you safely through complex terrains. Choose between different map designs. You can not only zoom in and out, but also adjust the viewing angle as desired.



Real Junction View

Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart-zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.



Nav Day/Night Mode

In navigation mode, the Z-N720 also features an automatic day/night mode switching, controlled via GPS signal. This provides maximum contrast for daylight conditions and prevents glare at night.

Navigation Features

- microSD card based 3D High Definition splitscreen navigation with map data for all European countries (on 8 GB memory card)
- Premium POI bundle with over 6.5 million points-of-interest
- TMC receiver for free TMC data services*
- Voice guidance in 28 different languages
- 2D or 3D map view with auto-zoom and realistic display of 3D terrains and 3D landmarks
- Smart-zoom function at intersections and crossings
- Real Junction View and highway mode with Real Signpost rendering
- Tunnel mode
- Smart Route Planning
- Calculation of Real-Time Route Alternatives
- Detour Hint function

- Outlook address import
- "Where-Am-I" function
- Parking Around Algorithm
- Display of traffic information/guidelines when entering an EU country
- Visual and audible warning to indicate speed limits on major roads
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- 30 days Latest Map Guarantee
- Map updates via the online-portal: www.zenec.naviextras.com

*Extendable functionality via separate TMC pay service providers (country specific).



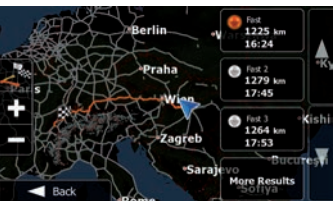
Reach Points of Interests fast

The Z-N720 has a Premium POI database with more than 6.5 million entries. Using the well designed search menu makes it easy to select special destinations.



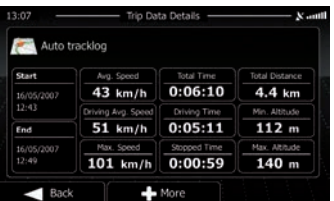
Intelligent destination input

To select a destination, you need to enter only a few letters – the Z-N720 completes your input and automatically proposes appropriate destinations.



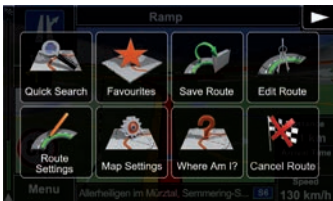
Intelligent route planning

So that you can optimize the route exactly as you want, you have a choice between various route calculation methods: short, fast and easy.



Practical trip computer

The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.



Where Am I? function

With Z-N720 you are well prepared for all emergencies: Use the Where Am I? function to find hospitals, police stations, cash machines, filling stations and much more in your vicinity – a finger tap is all it takes.



Informed in timely manner

Included in the function package is the display of advisories when crossing EU borders, together with various warning messages: information on speed limits, legal alcohol limits, requirement to wear a warning waistcoat etc.



Importing of Outlook contacts

Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the Z-N720 by using the Naviextras Toolbox.



Flexible map updates

Via the online portal www.zenec.naviextras.com, you can update the pre-installed map packages at any time or upgrade them as you wish. Naviextras offers a large selection of maps for more than 75 countries.



Wireless communication via Bluetooth

ZENEC's naviceiver enables comprehensive connectivity and the convenience of operating a Bluetooth-capable mobile phone. The Z-N720 is equipped with a Bluetooth module from Parrot, the specialist for mobile communications – a hands-free unit, that guarantees you a wide range of functions and maximum compatibility with many mobile phone models.

Make calls without noise interference

With ZENEC you can make phone calls in excellent quality – either using the integrated microphone or the freely positionable, external microphone supplied with the Z-N720. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently, to offer improved intelligibility.

Easy to operate

ZENEC makes for very easy operation when driving. The caller's number, phone book entries and other information are clearly shown on the naviceiver's display. The address book of the naviceiver is automatically synchronized with the mobile phone as well. You can easily search for phone book entries – simply tap in the initial letters of the contact you want to dial. This search function is really an enormous benefit for pro-

fessional use. Even special characters are no problem thanks to the multilingual keypad.

Bluetooth always up to date

The firmware of the Bluetooth component can be conveniently updated using a USB stick, for example if you would like to use a brand new mobile phone model. Thus, the palette of compatible mobile telephones can be expanded, keeping the device future proof.

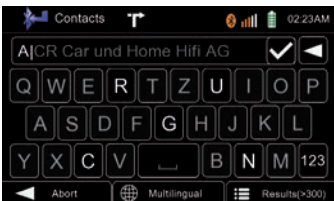
Bluetooth Features:

- Paring of up to 3 mobile phones
- synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact
- alphabetical search function for contacts
- multilingual input keypad, including special characters and special letters
- Quick Dial menu for up to 6 favorite contacts
- memory for dialed and received calls
- redialing
- switch between hands-free and mobile phone
- BT-music streaming via A2DP with AVRCP 1.4
- internal and external microphone
- future-proof upgradable Bluetooth firmware



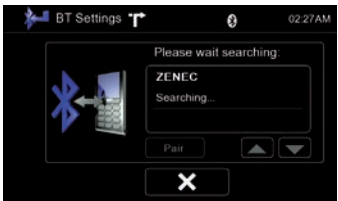
Making calls in the car in comfort

Use the clear Bluetooth menu to comfortably control all telephone functions – a touch is all it takes to transform your car into a telecommunications center.



Fast contact entry search

The alphabetic search function makes finding a contact easier: simply tap in the initial letters. You can search using up to 15 initial letters.



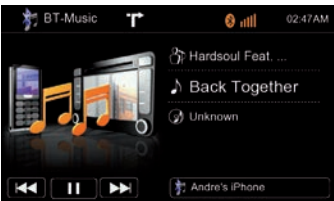
Easy connections

You can connect up to three mobile phones to the Z-N720, each having 1,000 contacts. The phone book of your mobile synchronizes with the Z-N720 automatically.



Quick-Dial menu

Phone numbers that you use frequently can simply be saved as favorites – so you have fast access to your most important contacts at all times.



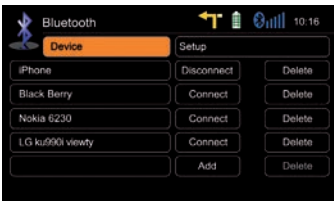
Music over your mobile phone

Music stored in your mobile phone can be played back via the Z-N720 thanks to A2DP and AVRCP 1.4. The playback is comfortably controlled via touchscreen.



Comfortable contact management

You can search for a contact in the phone book or in the favorites list. But you can also display the list of outgoing/incoming or missed calls.



Clear management

With the Z-N720 you never lose track: at a glance you can see all the connected mobile phones and manage these conveniently via the touchscreen of the naviceiver.



No missed calls

The Z-N720 Bluetooth system allows broker calls so that you can conveniently switch back and forth between two active telephone calls.



Navigation navigate by touchscreen fast and comfortably in all European countries (including Eastern Europe)	RDS Tuner with DSP noise masking for low level FM station broadcast signals and 30 preset stations (18 FM/12 AM)	USB 2.0 port with 80 cm USB extension wire for the connection of USB 2.0 memory devices (up to 64 GB)*2	Camera rear-view camera input, manually or automatically activated by putting the car in reverse	iPod/iPhone iPod/iPhone direct connection via an optional interface, operation via touchscreen
Gracenote Playlist Plus The "More Like This" feature enables to generate style and genre based playlists in USB playback mode	Bluetooth/A2DP integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware	A/V input A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc.	DVD player integrated CD/DVD loader, CD, CD-R/RW, MP3, WMA, DVD, DVD±R, DVD-MP3, AVI, Xvid	Security code intelligent anti-theft protection based on software monitoring of the power supply

Connection Options: Limitless Connectivity

Due to the USB port and the various A/V in- and outputs, there is almost nothing that cannot be connected to the Z-N720. The ZENEC program has a wide palette of multimedia-based additional components that are optimally suited to the naviceiver. All equipment – external monitors, DVB-T and DAB+ receivers or rear view cameras – can be connected directly to the naviceiver and operated via touchscreen.



Practical accessories

Separately available: The accessory set Z-EACC-HUB (USB hub with 120 cm extension cable) allows to connect three USB memory devices (up to 64 GB each) and the iPod/iPhone interfaces ZE-NC-IPS or ZE-NC-IPS5. With the accessory set Z-EACC-AV, separately available as well, you can connect a DVB-T or DAB+ tuner to the Z-N720.



Connection of iPod/iPhone

iPod and iPhone can be connected to the USB hub with the separately available interfaces ZE-NC-IPS or ZE-NC-IPS5 (for iPhone 5). This connection not only allows for quick access of all files, but also for their control via the naviceiver's touchscreen. Naturally the iPod and iPhone are being charged during playback.



Rear view cameras

The ZENEC product range includes additional items perfectly matched to each other. For example, various rear view camera models that impress with their universal installation options and outstanding image quality. ZENEC cameras can conveniently be operated via touchscreen and are triggered automatically when reverse gear is engaged.

Main Features Z-N720

NAVIGATION	BLUETOOTH	GENERAL FEATURES
3D High-Definition splitscreen navigation	Parrot Bluetooth hands-free module	6.2"/ 15.7 cm 16:9 TFT-LCD touchscreen with HMI for 24 different languages
microSD card based navigation system (on 8 GB memory card)	DSP audio processing for background noise masking	Detachable 2-DIN main front panel, for retrofitting with vehicle specific panel "OmniMask" panel frames*3
Premium POI bundle with over 6.5 million destinations	Synchronization of up to 1,000 phonebook entries with 5 numbers per entry	FM RDS tuner with DSP noise masking and 30 preset stations (18 FM/12 AM)
Voice guidance in 28 EU languages	Advanced phonebook contact search function	Multi zone function
	Selectable internal or external BT microphone	Multicolor key illumination
MULTIMEDIA/AUDIO		1 x IR-remote control
Realistic 3D rendering of terrains and landmarks, Tunnel-View, 3D Auto-Zoom for crossings and roundabouts, Real Junction View	DVD loader – compatible media/formats: CD, CD-R/RW, MP3, WMA, DVD, DVD±R, DVD-MP3, AVI, Xvid	
Smart Route Planning, Calculation of Real-Time Route Alternatives, Parking Around Algorithm, Detour Hint function, etc.	USB port with 80 cm extension cable for USB 2.0 memory devices (up to 64 GB)*2	
	Compatible USB file formats: MP3, WMA, AVI, Xvid	
	Gracenote "More Like This" for USB audio source and "one-click" generation of playlists by selection of one track	
	BT-music streaming via A2DP with AVRCP 1.4	
	DSP crossover with HPF / LPF function	
	4 x 40 watts amplifier	
	24 bit D/A converter	
	Made for iPod and iPhone	

*1 Extendable functionality via separate TMC pay service providers (country specific).
*2 Separately available USB Hub accessory pack Z-EACC-HUB for three USB 2.0 memory devices (each up to 64 GB).
*3 For a limited range of vehicles and exclusive use with Z-N720, a dedicated line of "OmniMask" device mounting kits are available separately.
*4 Separately available accessory pack Z-EACC-AV required.