NAVTEQ

Hamburg

Berlin

Cologne

Dresden

Heidelberg

Stuttgart

München

■ Prime

Germany

■ Verified

COVERAGE

The area covers the country of Germany.

The NAVTEQ map of Germany covers 100% of the population as Prime Coverage.

This release includes 1,066,947 Km of roads (100% of road network). All roads have been verified.

Address Ranges are present for 100% of the population.

CONTENT

Content features available with the NAVTEQ map of Germany

- 3D City Models
- 3D Landmarks
- Discover Cities
- Digital Terrain Model
- Satellite Imagery
- Enhanced Elevation Contours
- NAVTEQ Voice
- Points of Interest

- ADAS Geometry
- Speed Limits
- Extended Lane
- Driver Alert
- Camera Alert
- NAVTEQ Transport
- Toll Information
- Traffic Codes

For POI, this release contains 62 categories, totaling 297,850 POIs. Some key category highlights include :

47,274   13,172   4,443   19,665

Country Statistics for Germany

Population	82,314,889
Area (km2)	357,114
Municipalities	12,338
Km Road	1,066,947

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C O V E R A G E

ROAD NETWORK	# Kilometers	% Kilometers
Verified Roads	1,066,947	100%
Integrated Roads	-	-
Total Roads NAVTEQ map	1,066,947	100%

POPULATION / AREA	# Inhabitants	% Population
Prime Coverage	82,314,889	100%
Complete Coverage	-	-
Total Coverage	82,314,889	100%

ADDRESS RANGES	# Inhabitants	% Population
Address Ranges	82,314,889	100%

MUNICIPALITIES	# Municipalities	% Municipalities
Prime Coverage	12,338	100%
Complete Coverage	-	-
Total Coverage	12,338	100%

C O N T E N T

ADAS

Functional Class 1	100%
Functional Class 2	100%

TRAFFIC CODES

Number of Traffic Codes	24,876

VISUAL CONTENT

Number of Landmarks	652
Number of 3D City Models	18

Aachen, Berlin, Bremen, Dresden, Dusseldorf
Erfurt, Hamburg, Hannover, Ingolstadt,
Karlsruhe, Kiel, Leipzig, Lubeck, Magdeburg,
Mannheim, Munich, Munster, Stuttgart

NAVTEQ Discover Cities

Number of Cities	2

Berlin, Munich

Note: These are Database Statistics which can differ from the specific Product Statistics.

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POI Category	Database Total	POI Category	Database Total
Airport	46	Motorcycle Dealership	162
Amusement Park	60	Museum	2,418
ATM	4,443	Named Place	72,206
Auto Dealerships	20,174	Neighbourhood	139
Auto Service & Maintenance	11,452	Night Life	718
Bank	3,815	Park & Ride	1,204
Bookstore	846	Park/Recreation Area	2,150
Border Crossing	327	Parking Garage/House	3,140
Bowling Centre	310	Parking Lot	20,326
Bus Station	450	Performing Arts	988
Business Facility	304	Petrol/Gasoline Station	13,172
Casino	59	Pharmacy	5,737
Cemetery	1,924	Place of Worship	3,465
Cinema	958	Police Station	1,516
City Hall	3,715	Post Office	11,992
Civic/Community Centre	1,186	Public Transit Access	2,359
Commuter Rail Station	1,691	Public Transit Stop	1,579
Consumer Electronics Store	2,468	Public Sports Airport	434
Convention/Exhibition Centre	152	Rental Car Agencies	3,766
Embassy	759	Rest Area	2,192
Ferry Terminal	39	Restaurant	47,274
Golf Course	683	School	5,600
Grocery Store	1,258	Shopping	674
Higher Education	245	Ski Resort	161
Historical Monument	5,006	Sport Centre	4,060
Hospital	1,246	Sport Complex	467
Hotel	19,665	Taxi Stand	131
Ice Skating Rink	126	Tourist Attraction	2,098
Library	166	Tourist Information	1,278
Marina	217	Train Station	2,098
Medical Services	316	Winery	240
		Total POIs	**297,850**

Note: These are Database Statistics which can differ from the specific Product Statistics.

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DIFFERENCES BETWEEN Q1/2008 AND Q2/2008 RELEASE

Main Enhancements
- 34 Municipalities have been removed and 3 municipalities have been added
- Phonetic transcriptions are provided for street names, administrative area names, POIs and metadata
- Neighbourhood Zones were coded for the remaining districts of Berlin
- 3D city models added for 5 cities
- 3D-City Model area in Munich has been extended
- Restriction of truck access: The inner city of Munich and the major access roads have been closed for trucks except for deliveries and inhabitants
- Street names were checked for correctness and completion in 21 counties
- Toll Info Coding was implemented on German motorways for trucks >12t. In addition some other roads, which require the payment of a usage fee, were coded accordingly
- Extended Lane, Lane Markings and Traffic Lights coded in several areas

POI additions/enhancements
- All Mercedes Benz, Chrysler, BMW, Mini, Porsche, Audi, Opel, Saab, Austin Martin, Chevrolet and Cadillac car dealer were updated.
- All Mazda, Nissan and Hummer car dealer were added.
- Auto service & maintenance POIs for Hummer and Cadillac were added.
- Auto service & maintenance POIs for Saab were updated.
- All BMW Motorcycle dealer POIs were updated.
- The new POI category "Consumer Electronics Store" was added.
- All police station POIs were updated.

DIFFERENCES BETWEEN Q4/2007 AND Q1/2008 RELEASE

Main Enhancements
- Administrative changes (change of a municipality name, incorporations of municipalities, etc.), which occurred between 01.07.2007 and 30.09.2007, were included in the database
- The "Kreisreform" of Sachsen-Anhalt was implemented. All government codes of the state were updated accordingly
- Neighbourhood Zones were coded for the centre of Berlin and the complete BUA of Munich
- Street names were checked in 27 counties
- A significant volume of updated traffic-related information has been added

POI additions/enhancements
- Public Transit Access and Public Transit Stop POIs were added for trams in Berlin and Munich
- 53 new 3D-Landmarks were added in Germany
- All Mercedes-Benz, Chrysler, Mitsubishi and Volvo dealerships were updated
- Auto Service & Maintenance Dealerships for Mitsubishi, Top Service Team (TST) and Bosch Car Service were added
- The new POI category "Neighbourhood" was added

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DIFFERENCES BETWEEN Q3/2007 AND Q4/2007 RELEASE

Main Enhancements
- All Functional Class 1 roads and the Functional Class 2 motorways in Germany were updated according to ADAS Specifications
- All Functional Class 2 non-motorways in Bavaria and Baden-Württemberg were updated according to ADAS Specifications
- All Functional Class 3 and 4 roads in 12 counties were coded according to ADAS Specifications
- Existing addresses in Berlin were updated
- Administrative changes (change of a municipality name, incorporations of municipalities, etc.), which occurred between 01.01.2007 and 31.03.2007, were included in the database
- Attributes for the Discover City Project were coded in Berlin and Munich
- Driver Alert attributes were coded on all Functional Class 1 roads and Functional Class 2 motorways
- Junction View Conditions were coded in Germany along Functional Class 1 roads and Functional Class 2 motorways that have extended lane coding
- Lane markings were coded where extended lane information was present
- Sign text was updated for all motorways based on the information on the last sign prior to the decision point
- The attribute "Straight On Sign" was coded on all Motorways and at ramps along Functional Class 1 non-motorways. Sign as Real attributes were added for all Functional Class1 roads and the Functional Class 2 motorways
- Traffic Lights were coded along Functional Class 1 non motorways and complex Functional Class 2 intersections in 20 cities
- 3D City Models were implemented in München (extension), Ingolstadt, Münster, Hannover, Berlin (extension), Magdeburg, Karlsruhe and Mannheim
- 400 3D-landmarks were added

POI additions/enhancements
- All Mercedes-Benz, Chrysler, Opel, Chevrolet, Saab, Seat, Toyota, Lexus, Renault, Peugeot, Citroen, Volkswagen, Lamborghini, Skoda dealerships were updated
- All Toyota, Lexus, Peugeot, Citroen and Lamborghini Auto Service & Maintenance Dealerships were added
- For 4,481 POIs of the categories amusement parks, auto dealerships (BMW/MINI), convention/exhibition centre, golf courses, hospitals, shopping and sports complex the actual location has been added as lat/long information into the database
- The new POI categories taxi stand, public transit access and public transit stops were added in Munich and Berlin as part of the Discover City project
- Hotels were updated

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DIFFERENCES BETWEEN Q2/2007 AND Q3/2007 RELEASE

Main Enhancements

- All Functional Class 3 and 4 roads in 25 counties were coded according to ADAS Specifications
- In 6 counties street names were checked for correctness and completion
- 3D city models were implemented in Bremen, Dresden and Leipzig
- Addresses were added in 1 municipality of Brandenburg.
- Existing addresses were replaced by more up-to-date addresses in 52 cities
- Administrative changes (change of a municipality name, incorporations of municipalities, etc.), which occurred between 01.01.2007 and 31.03.2007, were included in the database
- 92 new roundabouts were added
- In addition a significant volume of updated traffic-related information has been added

POI additions/enhancements

- All Chrysler, Jaguar, Land Rover, Mercedes, Volvo and VW dealerships were updated
- Mitsubishi Dealerships were added
- Jaguar and Land Rover Auto Service & Maintenance Dealerships were updated
- VW Auto Service & Maintenance Dealerships were added