

Last modified: 2022-06-03

2022.00-05 [245048]	2022-06-03
Fixed Bugs	
Calculation	
<ul style="list-style-type: none">Delay on left turns: An issue was fixed in the calculation of delay on major flow left turns, when the volume on the through movement is 0. Before the fix, the left turn showed an unrealistically high delay. This issue only applied to HCM, 7th Edition. (2201)	
Graphical parameters	
<ul style="list-style-type: none">Fixed freeze / crash: An issue was fixed, where Vistro froze or crashed when 'Show turning movements' or 'Show detailed traffic conditions' was activated. The underlying issue was an error in the calculation of two-way stop controlled intersections, when there where entry lanes without movements. Such lanes can only exist after a file import from an outside source. The crash could also occur when such an intersection was selected in the Intersection drop-down list. (2207)	
Breaking Changes	
Calculation	
<ul style="list-style-type: none">Two-way stop, HCM 7th Edition: Calculation results on two-way stop controlled intersections calculated according to HCM, 7th Edition, may be different. (2201)	

2022.00-04 [244300]	2022-05-16
New Features and Changes	
Installation	
<ul style="list-style-type: none">The CodeMeter Runtime deployed with PTV Vistro has been updated to CodeMeter 7.40b. (2170)	
License	
<ul style="list-style-type: none">License size: The license size was increased. Vistro now allows 10000 nodes, 24000 links, and 400 zones/gates. The license needs to be updated for these changes to take effect. The size of the license is now shown in the dialog 'License'. (2199)	
Fixed Bugs	
Graphical editors	
<ul style="list-style-type: none">Demo version: An issue was fixed, that only occurred in the demo version. It no longer happens, that intersections, that are added to the network are invisible. (2169)	
Simulation & ANM	
<ul style="list-style-type: none">Previewer: An issue was fixed in the Vissim preview. There no longer is a technical error message, when there exists a coordinated signal group that is not contained in the sequence. Instead, the simulation runs correctly. (2190)	
Traffic control tab	
<ul style="list-style-type: none">Priority scheme: An issue was fixed, where Vistro could crash, when the priority scheme was changed on a signalized intersection. (2172)	

2022.00-03 [240937]

2022-03-10

+ New Features and Changes

Calculation

- + HCM 7th Edition: The default analysis type for intersections now is HCM 7th Edition. (2154)

✓ Fixed Bugs

- ✓ Exclusive pedestrian phases: An issue was fixed in the calculation of exclusive pedestrian phases. When a pedestrian phase is created, it is now by default set to 'Ped Recall'. The recall can be removed in the Signal Groups dialog. The exclusive pedestrian signal group is now marked as 'In Use' in that dialog. Furthermore, pedestrian volume now is assigned exclusively to the exclusive pedestrian phase and no longer influences the probability of phase calls of vehicle phases. In the split optimization, the minimum split of the exclusive pedestrian phase is now taken into account correctly. (2165 !)

Simulation & ANM

- ✓ Channelized turns in left-hand traffic: In the simulation preview and the export to Vissim, the geometry of channelized turns in networks with left-hand traffic was fixed. (2156)

Traffic control tab

- ✓ Exclusive pedestrian phases: Pedestrian clearance for exclusive pedestrian phases is now shown in yellow in the sequence diagram. The tool tip for green time now shows the walk time. (2166)

! Breaking Changes

Calculation

- ! Exclusive pedestrian phases: Calculation results will differ, if there exists an exclusive pedestrian phase. (2165 ✓)

2022.00-02 [238396]

2022-01-11

+ New Features and Changes

Calculation

- + The HCM 7th Edition analysis method can now be selected for signalized, roundabout, two-way stop, and all-way stop control types. For signalized and roundabout control types, a 'Proportion of CAV %' field has been added to estimate the impacts of CAVs. The two-way stop control type now includes flared lane, minor lefts one-stage movement, and shared major-street lane sharing updates. No changes were made for the all-way stop control methodology. See the TRB's Highway Capacity Manual 7th Edition for more information on the methods and calculation adjustments factors and application guidance. (2111)

Installation

- + The CodeMeter Runtime deployed with PTV Vistro has been updated to CodeMeter 7.40. (2150)

2022.00-01 [237413]

2021-12-08

+ New Features and Changes

- + The CodeMeter Runtime deployed with PTV Vistro has been updated to CodeMeter 7.30a. (2132)

Simulation & ANM

- ⊕ The preview in Vissim was updated. Controllers with frequencies other than 1 now run correctly. The frequency in this case is derived from the values of parameters like yellow and allred. **(2125)**

✓ Fixed Bugs

File import / export

- ✓ OSM import: The OSM import works now. **(2134)**

2022.00-00 [234804]

2021-10-05

⊕ New Features and Changes

Graphical editors

- ⊕ Location search: A location search allows you to navigate quickly in large networks. In the network editor, you will find a button that allows you to enter short search terms. Potential hits will be displayed. The location of the selected address is displayed in the network editor. **(949)**

Simulation & ANM

- ⊕ Channelized turns: Channelized turns are now exported to Vissim with the same geometry, that is visible in Vistro. If there are crosswalks on the channelized turn, these are displayed in Vistro and will be exported to Vissim **(2100)**
- ⊕ Matrix data export: Vistro now automatically exports an .anmRoutes file, if the network contains zones. This file can be used in Vissim for 'Dynamic assignment'. **(2115)**
- ⊕ Partial network export: Vistro now uses the 'Analyze Intersection' flag in the Vissim export. Intersections, for which the flag is deactivated, are no longer exported to Vissim. This allows to export partial networks. The values exports and imports were extended to write and read the 'Analyze Intersection' flags. This allows to easily export partial networks repeatedly. **(2102)**

⚠ Breaking Changes

Calculation

- ⚠ Signalized: Results will be different, if there are permissive left turns with opposing exclusive right turns. **(2112)**