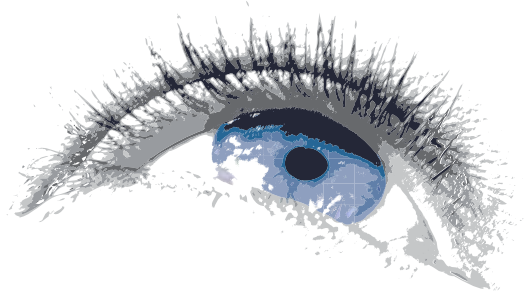


PRODUCT PACKAGES



TRIVIS WEATHER GRAPHIX

-Where weather meets the eye.



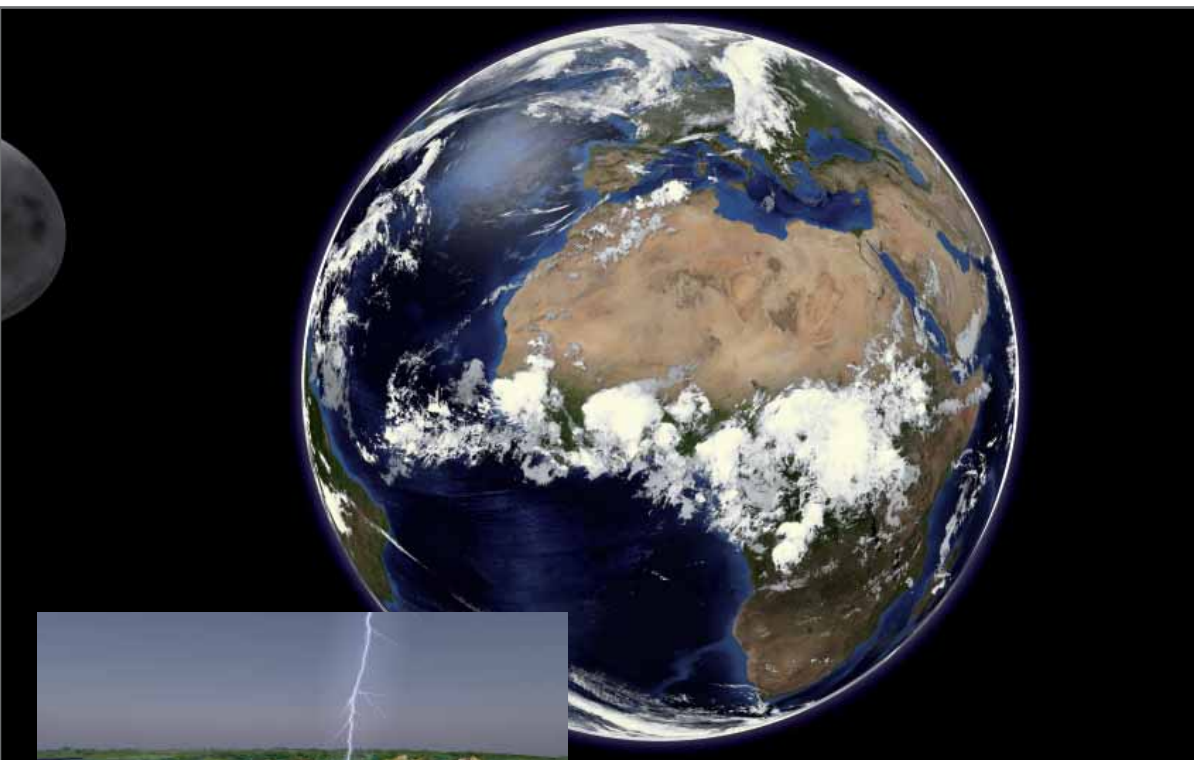


TRIVIS WEATHER GRAPHIX **PRODUCT PACKAGES**

TriVis is the professional television weather graphics solution that delivers highest quality with legendary reliability daily on-air since over fifteen years. The TriVis Product Suite with its powerful Product Packages offers the right solution for every possible requirement. A smooth upgrade path based on the single platform strategy allows every television customer to step up whenever necessary.

TriVis is in daily use at national and private weather services as well as at national and regional television stations. The system visualises model forecast data from GRIB files, satellite and radar data from a wide range of available formats, and spot weather forecasts from XML data feeds. The results have superb broadcast quality in SD or HD (up to 1080p) and can be exported as live digital video including real-time transitions or through various output movie formats.

The following pages describe the TriVis Weather Graphix Product Packages.



Realistic Lightning Simulation

TRIVIS STRATUS

TriVis Stratus offers great value at a very affordable price level. It allows the visualisation of satellite and radar data as well as of forecasts in the form of weather symbols and spot value plots. Furthermore, the field output of numerical weather prediction models can be visualised in an appealing and easy to understand manner.

TRIVIS STRATUS OFFERS:

- complete feature set for weather forecasts
- perfect image quality at entry level price
- professional market leading weather graphics
- stable and flexible graphics solution
- digital movie export and broadcast video signal output
- upgrade path prepared to higher levels with the same software environment

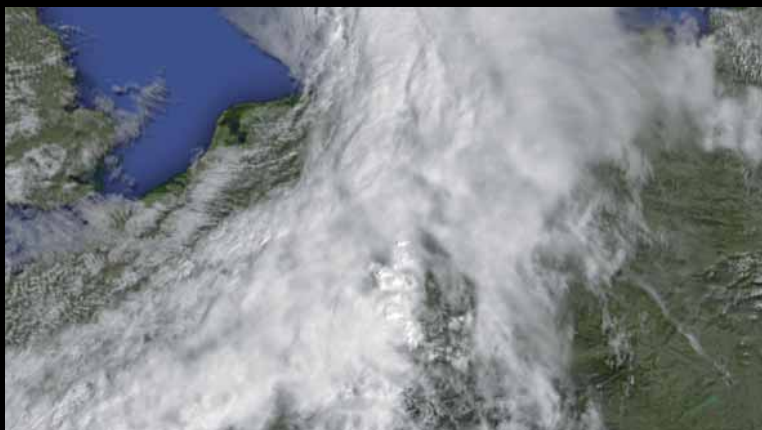
TriVis Stratus is available on Linux and in encapsulated form on the Windows platform. As an option, the TriPlay^{PRO} module can be ordered with TriVis Stratus which allows a playout rate of 25/30 frames per second. Furthermore, the option to use a freely defined 3D camera perspective can be ordered as an extension to TriVis Stratus. Other options can be offered upon request.



Forecast Clouds with Temperature Values



Road Ice Forecast



Meteosat



Temperature Fields with Spot Values



TRIVIS CUMULUS

TriVis Cumulus contains all of the complete feature set that you find in TriVis Stratus and in addition includes the automated batch operation module JobControl as well as additional graphics options. These include the feature to manually position and animate fronts as well as the spectacular stream-line visualisation of winds.

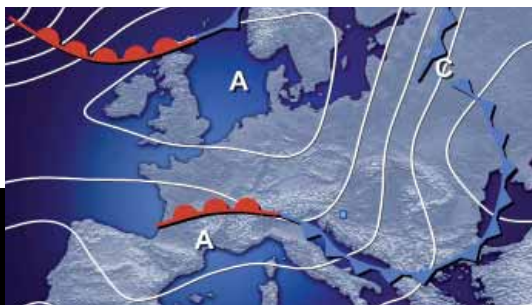
TRIVIS CUMULUS OFFERS:

- complete feature set as of TriVis Stratus
- TriPlay^{PRO} included
- JobControl included to automatically run remotely controlled TriVis batch jobs
- fronts (warm fronts, cold fronts, occlusions) can be manually added and animated
- vector data from numerical weather forecast models can be turned into stunning stream-line animations
- contour lines (e. g., isobars or isotherms)

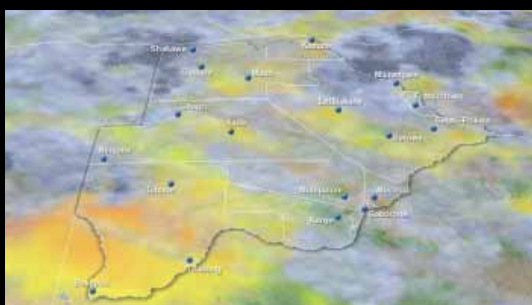


Wind Flow with Air Temperature

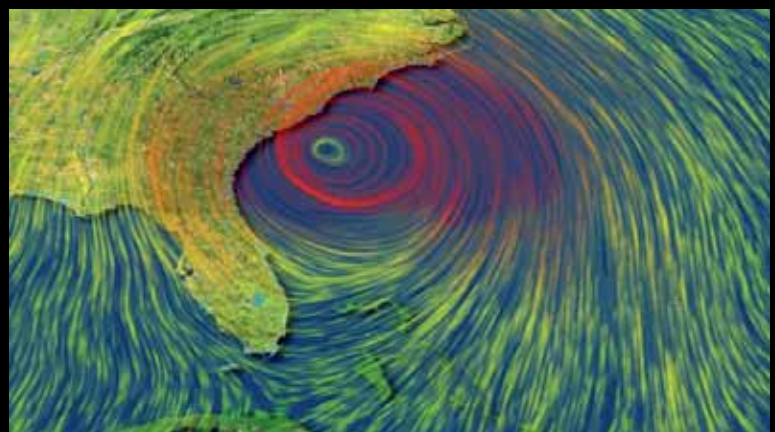
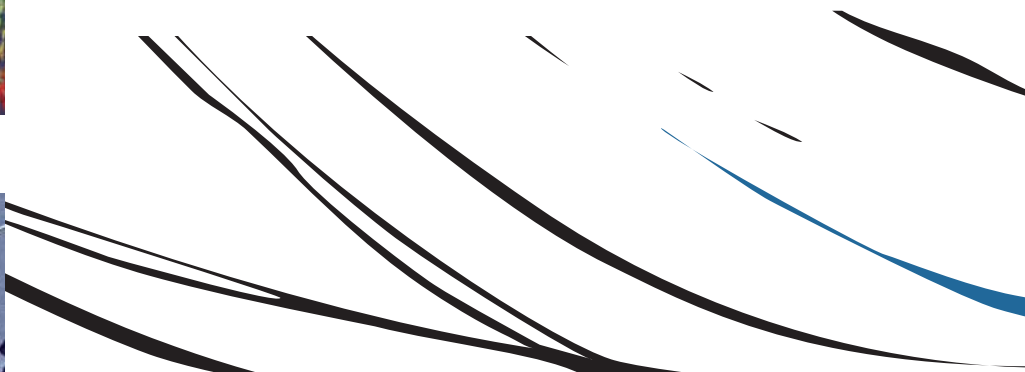
TriVis Cumulus is available on Linux. As an option, the freely defined 3D camera perspective or even the freely defined 3D Fly-Through can be ordered as an extension to TriVis Cumulus. Other options can be offered upon request.



Fronts and Isobars



Model Data with Temperatures and Clouds



Hurricane Wind Analysis

TRIVIS CIRRUS 2D

TriVis Cirrus 2D is the most advanced two-dimensional TriVis product. In addition to the feature set of TriVis Cumulus, the user can add statistical tables as well as animated air-mass advection arrows and also interactively highlight warning areas by simply clicking them onto the map. TriPlay^{PRO} is included with its SuperSmooth option that allows 50/60 fields per second in TV broadcast.

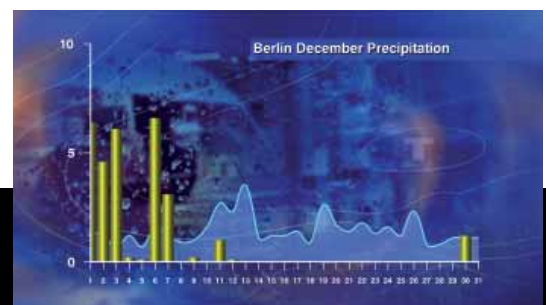
TRIVIS CIRRUS 2D OFFERS:

- complete feature set as of TriVis Cumulus
- JobControl for full control over automated batch productions
- TriPlay^{PRO} with SuperSmooth option included
- air-mass advection arrows can be manually added and animated
- statistical weather tables
- manually drawn areas can be included in the weather maps
- line graphs and bar charts

TriVis Cirrus 2D is available on Linux. As an option, the freely defined 3D camera perspective or even the freely defined 3D Fly-Through can be ordered as an extension to TriVis Cirrus. Other options can be offered upon request.



Interactively placed Weather Annotation



Precipitation Statistics



Storm over Europe with Clouds and Winds

wetter rückblick				
aktuell				
Berlin	17			5 km/h
Dresden	16			10 km/h
Frankfurt	19			25 km/h
Oberstdorf	24			70 km/h
Chieming	23			10 km/h
List	16			10 km/h

Business Weather Table



TRIVIS CIRRUS 3D

With TriVis Cirrus 3D, the TriVis Weather Graphix group offers a powerful professional three-dimensional weather graphics system. It is capable of quickly and interactively producing new 3D graphics for statistical, cartographical, or meteorological themes. The result is always broadcast-ready material of the highest quality that can be provided in various ways. It supports the interactive or automated generation of professional three-dimensional graphics for broadcast purposes and offers modules for innovative cloud visualisation solutions for today's generation of numerical weather simulation models. This way, easy to perceive maps and thematical presentations of regions for special purposes can be generated.

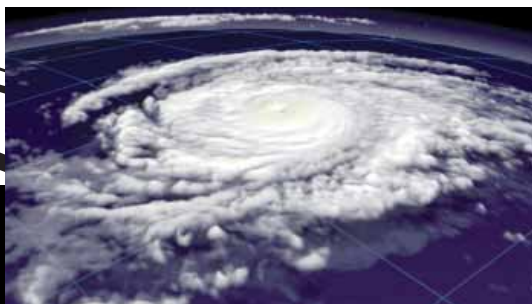
TRIVIS CIRRUS 3D OFFERS:

- complete feature set as of TriVis Cirrus 2D incl. JobControl
- TriPlay^{PRO} with SuperSmooth option included
- true volumetric clouds with correct shadow computation
- 3D precipitation and lightning
- fly-throughs over high resolution textured terrain models
- 3D objects, fog, haze, fire, and smoke
- realistic waves with reflection

TriVis Cirrus 3D is available on Linux. This product package offers the full range of features available in TriVis for the high-end two- and three-dimensional visualisation.



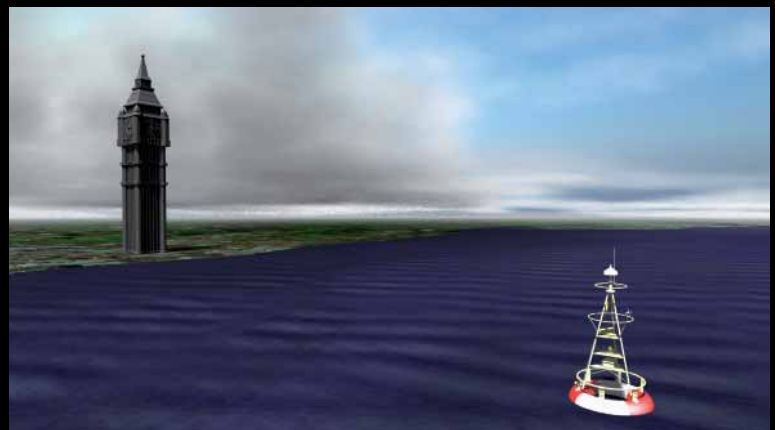
Fly-Overs with Water and Weather



Hurricane with Shadow and Reflection



Active Volcano Mount Etna



Volumetric Clouds and 3D Objects

THE FOLLOWING TABLE OUTLINES THE TRIVIS WEATHER GRAPHIX PRODUCT PACKAGES:

VISUALISATION	TRIVIS STRATUS	TRIVIS CUMULUS	TRIVIS CIRRUS 2D	TRIVIS CIRRUS 3D
Satellite and Radar Loops	●	●	●	●
Forecast Model 2D Scalar Field Data	●	●	●	●
Spot Value Temperatures	●	●	●	●
Weather Symbols	●	●	●	●
Fronts		●	●	●
Wind Fields		●	●	●
Air Mass Advection arrows			●	●
Paint option			●	●
Tables			●	●
Line Graphs, Bar Charts			●	●
3D Camera View				●
3D Fly-Throughs				●
Waves				●
3D Volume Clouds, Fog and Smoke				●
3D Lightnings and 3D Precipitation				●
3D Objects				●
PRODUCTION				
StoryboardProducer for drag&drop Content Management	●	●	●	●
Export of AVI, QuickTime, MPEG2	●	●	●	●
JobControl		●	●	●
Linux on Intel/nvidia	●	●	●	●
Encapsulated in Windows Option	●			
BROADCAST				
Live SDI HD/SD video playout facility (*)	●	●	●	●
Real-Time Transitions (*)	●	●	●	●
Rate up to 12,5 Frames/Second	●	●	●	●
Rate up to 25 Frames/Sec (TriPlay ^{PRO})		●	●	●
Rate up to 50 Fields/Second			●	●

(*) = DVS Video Board required

THE FOLLOWING TABLE OUTLINES THE AVAILABLE SERVICE PACKAGES:

HOTLINE-SERVICES	LEVEL ALPHA	LEVEL BETA	LEVEL GAMMA
E-Mail Support	●	●	●
Phone Support		●	●
Direct Line to Developer Team			●
Guaranteed Response Time (German Working Days)	5	2	2
Hours of Support included per Month	2	4	6
Premium Response (next German business day)			(●)
Platinum Response (7x24 one hour response) (**)			(●)

(●) = optional, (**) = also available for fraction of the contract duration (e.g., start-up phase)

Individual product and service packages can be offered upon request. Please ask your sales contact or directly e-mail to sales@trivis.biz.

TRIVIS WEATHER GRAPHIX GROUP

ask – Innovative Visualisierungslösungen GmbH

TriVis Sales

Heinrich-Hertz-Straße 1

D-64295 Darmstadt, Germany

Telephone: ++ 49 (0) 6151 66747-220

Fax: ++49 (0) 6151 66747-290

Email: trivis@askvisual.de

www.askvisual.de



German Meteorological Service

Deutscher Wetterdienst

Vertrieb Offenbach

Frankfurter Straße 135

D-63067 Offenbach, Germany

Telephone: ++ 49 (0) 69 8062 2672

Fax: ++49 (0) 69 8062 3682

Email: vorhersage@dwd.de

www.dwd.de



Swedish Meteorological and Hydrological Institute

Media Division

S-60176 Norrköping, Sweden

Telephone: ++46 (0) 11 495 80 00

Fax: ++46 (0) 11 495 85 22

Email: trivis@smhi.se

www.smhi.se



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