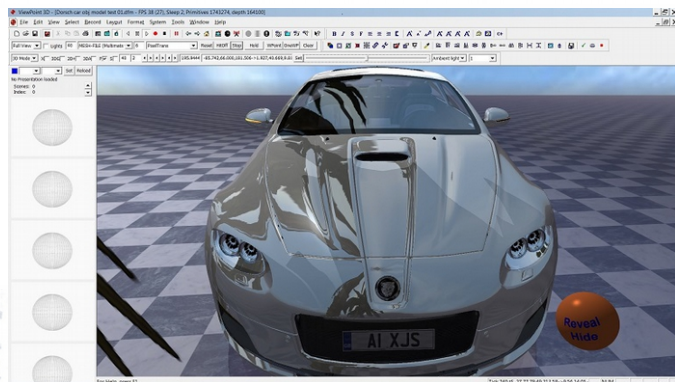


演示文稿和数字标牌 프리젠 테이션 및 디지털 간판

プレゼンテーションとデジタルサイネージ



Ray tracing in real-time



Viva3D® Pro **4K**

Light yet Powerful™

Visualization on desktop, embedded & mobile for digital signage, education, industry, science, defence & medicine



Live auto-updating content
for 2D & 3D in-scene objects
with Video streaming to 8K

Inform, advertise,
educate & entertain in full
3D

Interactive 3D content with direct output to 2D+Z & Autostereoscopic

Content Creation, Streaming, Playback & Management

GPU-powered 3D Computer Graphics

Sophisticated yet easy to use • Effective • Powerful • Multiplatform • Reliable 24x7

Advanced visualization for a wide-range of applications

Introducing a completely new 3D content creation, presentation and management application, delivering dynamic high-definition interactive content: Viva3D® Pro - *GPU-powered* for advanced computer graphics.

Create and present stunning full 3D visuals in a fraction of the usual time, content such as TV-quality presentations and adverts, or visualisations of complex models ranging from new products to complex architectural, automotive, naval or aerospace designs, and modelled right down to the very last nut and bolt.

Digital Signage TV: For a shopping mall, a hotel or retail chain, a website, for a complex 3D business presentation, or an educational film, until now the only way to create such content was using complex 3D design software that took weeks or longer to produce.

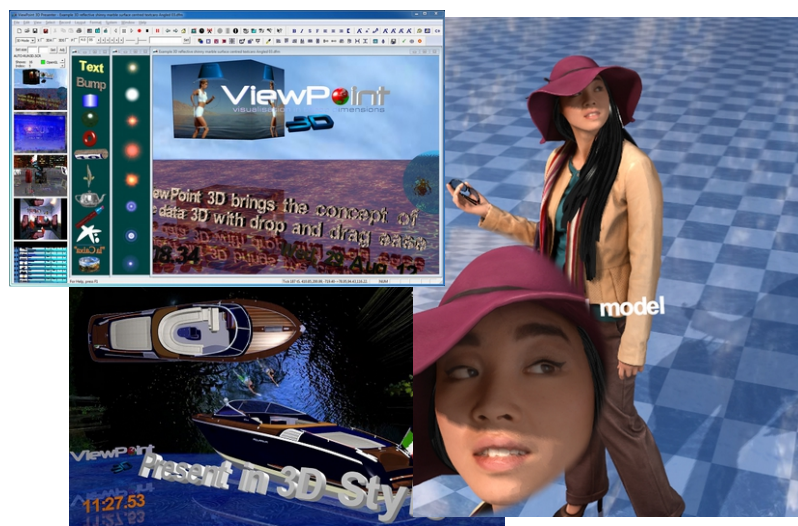
Now Viva3D uses efficient new techniques to bring the full power of 3D computer animation right to your fingertips, and what's more, with content that auto-updates!

Applying super-computer technology – with the modern GPU:

Our development team focused exclusively on using the very latest graphics processing technology, designing completely new software that enables the instant creation of high-resolution animated 3D with unique live in-scene news, video and data feed, all at photo-realistic quality.

By putting the latest hardware technology to work, Viva3D is the very first application that allows live news and data to be directly and automatically incorporated into high-resolution 3D content without the need for costly content updates.

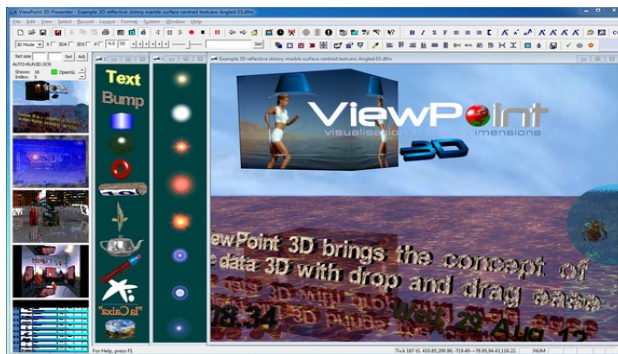
For glasses-free 3D displays, Viva3D uniquely produces the final multi-view interleaved format directly avoiding post processing, providing an enormous reduction in production costs, and allowing real-time video, news and other data to be presented.



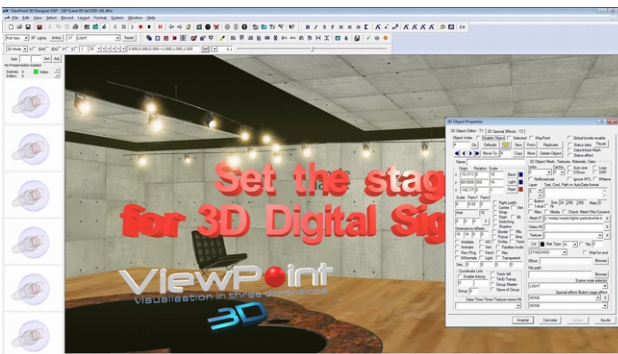
Key facts

- Viva3D runs 6-10x faster than Blender & 3D Studio, & 12x faster than Microsoft Paint3D
- Reduces content production costs by 50-80% compared to other 3D & 2D applications
- Offers a complete solution, from 3D content creation to management & detailed 24x7 reporting
- Fully interactive 3D content creation and management supporting all languages
- Asian fonts: 复杂的模型演示 복잡한 모델 프레젠테이션 複雑なモデルのプレゼンテーション
- Instant rendering of complex animated content with full environmental effects
- Realistic human model animation in GPU with voice recognition and AI driven interaction
- Live data, news & HD video is instantly incorporated into 3D content avoiding remakes
- Compatible with all 2D displays, & directly drives video walls and projectors
- Drives the latest 3D glasses-free TVs at the highest quality (autostereoscopic & 2D+depth)
- Scalable digital signage for global networks, easily managed in regional groups
- Designed and tested for desktop, mobile and 24x7 embedded operation
- Operates on all low-cost computers, tablets and modern phones with a GPU

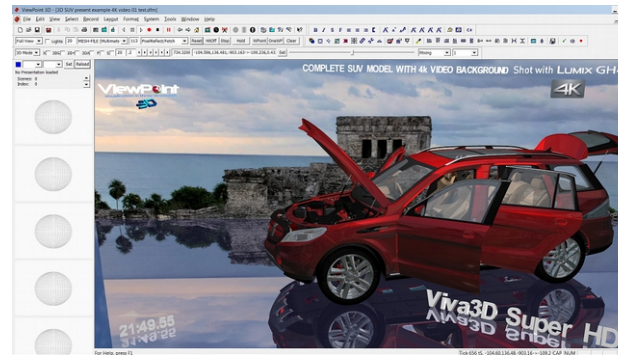
A new and efficient approach with GPU-powered technology



Viva3D is unique in that it allows the rapid creation of sophisticated presentations and content for 2D as well as 3D devices with live-data content, avoiding frequent and costly re-editing.



Viva3D allows content that currently takes days to produce, to now be created in a matter of hours or even minutes. This technology simplifies content creation, produces content that self-updates with live data and news, reduces staff training costs, and allows a much higher content throughput.



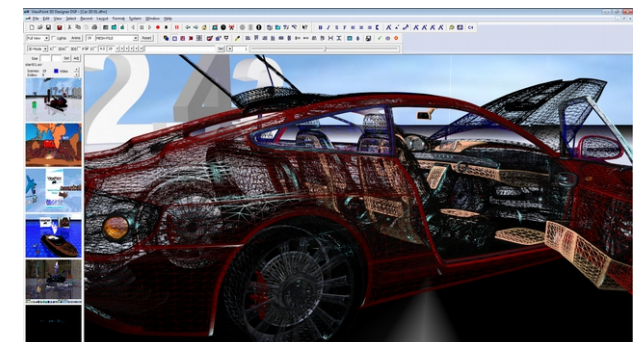
4K Quad-resolution video can be directly streamed into 3D scenes as shown above. Viva3D can also simulate environmental reflections, liquid surfaces, weather, realistic cloud formations, lighting and more.



Scenes are created by simply placing objects and models, and then setting their attributes. Current time, date, text/RSS, video, and 3D model selection can be controlled by remote data feeds. A wide range of lighting & animation effects can be selected to create content that can be reproduced on low-cost hardware, including on an extensive range of 24x7-certified ePC media controllers.



Advanced 3D technology allows the instant reproduction of the highest resolution content, even for Ultra high definition monitors. 3D objects can operate as buttons, show high definition video, and update from remote data.



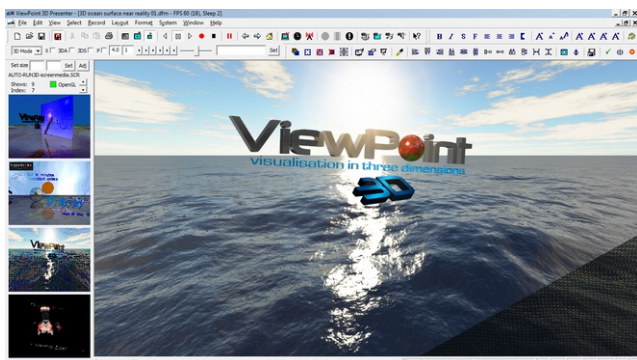
Complex models with hundreds of textures can be edited and painted. Individual textures can be bump-mapped, reflective, or transparent, creating realistic models. Textures can show live data or video from any standard source, local or remote. Viva3D can also record content for distribution and use on websites & computers that do not have Viva3D.

Diverse Applications from desktop & mobile to embedded



Ora	Linea aerea	Destinazione	Chk-in	Gate	Nota
06:20	Alitalia	BA1432 ROMA CIAMPINO	B	07	ON SCHEDULE
06:40	Lufthansa	AZ1119 AMSTERDAM	B	03	REPORT DESK
07:10	Alitalia	AZ1410 ROMA CIAMPINO	B	04	ON SCHEDULE
07:15	Alitalia	AF2203 PARIS CDG	B	17	DECOLLATO ALLE 07:22
07:30	Alitalia	AZ1191 LAMEZIA TERME	B	09	DECOLLATO ALLE 07:38
08:00	Alitalia	YVW8817 MADRID	A	08	DECOLLATO ALLE 07:55
08:25	Lufthansa	LH1895 MUNICH	C	12	DECOLLATO ALLE 08:25
08:55	Alitalia	FR9112 BARCELONA-GERONA	A	03	DECOLLATO ALLE 09:05
09:10	Alitalia	IG1602 CAGLIARI	D	10	DECOLLATO ALLE 09:13
09:15	Alitalia	AZ1210 NAPOLI	B	07	DECOLLATO ALLE 09:14
09:40	Alitalia	FR4865 BRUSSELS CHARLEROI	A	11	DECOLLATO ALLE 09:58
09:50	Alitalia	IV535 CATANIA	A	17	DECOLLATO ALLE 10:31
10:15	Alitalia	AF1103 PARIS CDG	B	04	DECOLLATO ALLE 10:22
10:30	Alitalia	FR465 LONDON STANSTED	A	02	DECOLLATO ALLE 11:05
10:50	Lufthansa	LH297 FRANKFURT	C	14	DECOLLATO ALLE 10:51
11:00	Alitalia	AZ1414 ROMA CIAMPINO	B	08	DECOLLATO ALLE 11:19
12:20	Alitalia	AZ562 MOSCOW-SHEREMETYEVO	B	01	DECOLLATO ALLE 12:34
12:40	Alitalia	AZ1640 BARIO	B	08	DECOLLATO ALLE 12:52
12:50	Alitalia	AZ1746 PALERMO	B	14	DECOLLATO ALLE 13:23
13:00	Lufthansa	LH1897 MUNICH	C	15	DECOLLATO ALLE 12:58
13:15	Alitalia	YVW8795 BARCELONA	B	07	DECOLLATO ALLE 13:49
13:40	Alitalia	AZ1413 CASABLANCA	B	04	DECOLLATO ALLE 14:17

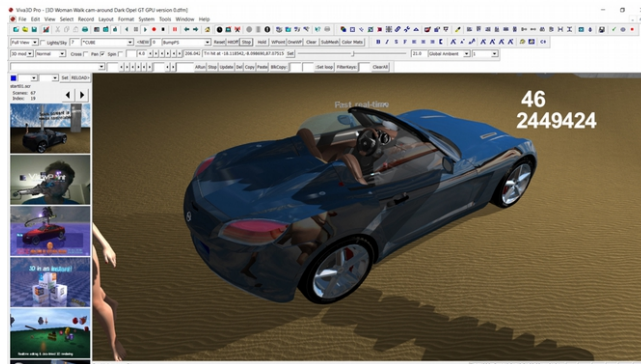
Manage high resolution data displays with full 3D effects.



Create enhanced virtual reality or near-reality content.

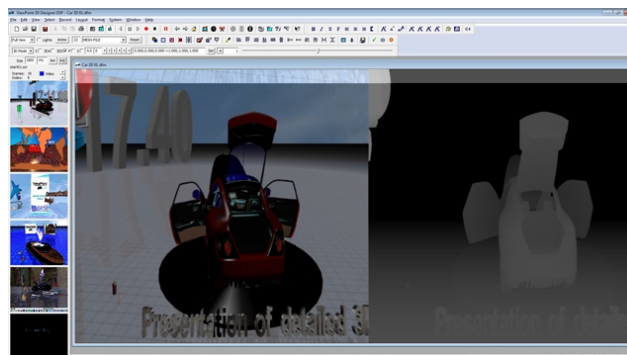


Create 3D interactive content quickly and with full support.

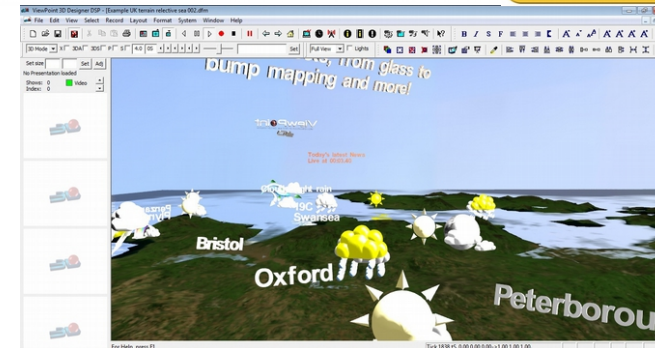


Offering a total solution for advanced content creation, stereo streaming & management, including detailed playback and operational status reporting for regionalized 24x7 digital signage.

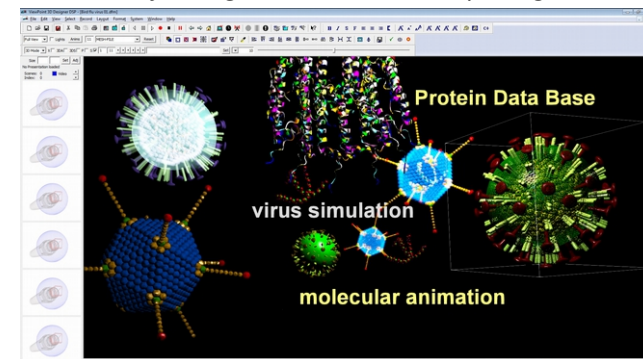
Producing animated 3D live-data content is now easy, with 3D advertising, presentations, interactive educational content, 3D simulations and even weather fly-throughs that automatically update, and even instantly drive glasses-free 3D devices, including the latest 4K monitors.



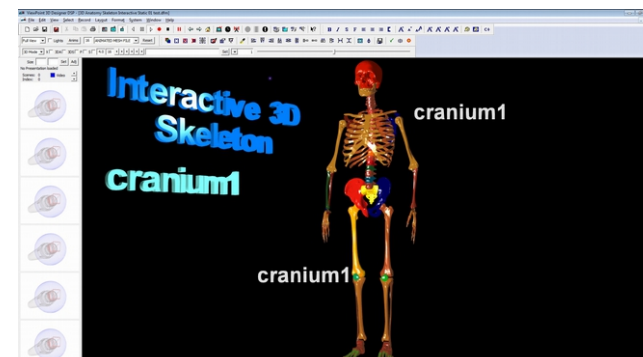
Real-time autostereoscopic, WOWvx 2D+Depth, Declipse and anaglyph output is built-in for glasses-free 3D devices.



Create 3D fly-throughs with remote data updating.



Create complex simulations for education and industry.



Complex content in real-time 3D

Viva3D is a flexible real-time 3D engine capable of rendering many types of scenes, unique in being data-driven and capable of directly encoding autostereoscopic output. The scene on top-right shows a complete airport terminal presentation, with three 747s and a private jet, plus 2 fully detailed cars, a tower and animated clouds, trees, aircraft, cars and people.

Viva3D is efficient, it can run these presentations on low-cost personal computers, and even on our \$99- tablet.

Rendering scenes in real-time means you can drop CAD models straight into Viva3D and set them up to look quite realistic in very little time, also, making changes can be done on the spot.

Simply export your models from your CAD or 3D design software, and drop them into Viva3D's scene editor. You can then drag and drop textures, select realistic HDR sky and land scenery, and with instant rendering you can view your interactive photorealistic presentation.

Fly-throughs of your models can be created and modified instantly, even complex models can be visualised on 3D screens with ease.

For further information please email us at www.viewpoint-3d.com.



Live real-time Stereo Vision for streaming & movie conversion with 3D CG mixing



When you watch movies, presentations or live-streamed content with both eyes receiving a stereo view, you feel the depth, you feel part of what you are watching, users feel teleported to the event or video-call, or directly into the presentation!

Viva3D is fully real-time, instantly converting 2D and 3D stereo video and images to full 3D, and then converting that to autostereoscopic formats with zero wait.

The key barriers to commercial implementation of stereo viewing were the high cost of 3D content creation, movie conversion, updating and management; problems that are now solved. New light AR glasses are coming that will make stereo viewing a necessary feature of every service.

Breaking technological barriers, Viva3D provides a complete and affordable solution. Uniquely, Viva3D software generates 3D content in which any element of the 3D content updates from external data, such as stored on a remote server, or through standard RSS feeds, allowing news and views to be shown in 3D by the hour.

This allows anything from complex 3D models, video streams to 3D text, and more to be changed instantly, as real-world events and news change your 3D content self-updates. In addition, Viva3D creates fully interactive 3D content for 2D and 3D screens, and can even recreate external 3D real world scenes automatically.

Viva3D will also merge live streaming video (mono or stereo) into 3D scenes, even 4K video, and even map it onto the surface of 3D objects in scene.

Viva3D includes full support for stereo camera input, mixing 3D live feed with 3D CG in real-time.

Airport & Transport Displays with full 3D CG

Airports across the UK, Italy and further afield have used ViewPoint's 2D software since the 90's, and today have the benefits of the most flexible display system available. Display what you need to, when and where you need to.

17/8/2011 International Departures 國際出發 Международный Вылеты 國際線出發 16:41.46					
Hora Ore	Aerolinea Linea aerea	Destino Destinazione	Chk-in Chk-in	Puerta Gate	Observacion Nota
06:30	BA314	GATWICK	140-142	3	ON SCHEDULE
06:50	BE131	MADRID	144-147	2	ON SCHEDULE
07:45	FR375	HEATHROW	124-126	4	ON SCHEDULE
07:50	IB304	ADDIS ABABA	128-131	5	ON SCHEDULE
08:00	AZ266	AMMAN	132-134	3	ON SCHEDULE
08:00	LH314	BAHRAIN	145-149	5	ON SCHEDULE
08:30	EZ244	ANCHORAGE	150-152	3	ON SCHEDULE
09:00	KL374	AMSTERDAM	135-137	2	ON SCHEDULE
09:00	LH202	AMSTERDAM	136-140	3	ON SCHEDULE
09:30	SR999	VIGIE	144-146	1	ON SCHEDULE
09:45	EZ318	ADDIS ABABA	137-139	5	ON SCHEDULE
10:00	LH217	HEATHROW	130-136	2	ON SCHEDULE
10:15	KL871	STOCKHOLM	120-122	3	ON SCHEDULE
10:20	EZ324	BEIRUT	152-155	7	ON SCHEDULE
10:25	LH312	FRANKFURT	128-130	7	DELAYED
10:40	IB301	BIRMINGHAM	138-140	4	DELAYED
11:00	SR203	BOMBAY	141-143	5	ON SCHEDULE
11:15	BA401	HEATHROW	144-148	4	DELAYED
11:15	IB221	ODESSA	133-134	1	ON SCHEDULE

Please do not leave baggage unattended!
Unattended baggage may be destroyed!

Viva3D effortlessly mixes 2D and 3D content, processing and displaying your data with advanced control, reporting and effects.

Remote data is broadcast to displays via efficient multicast datagram transmission, meaning your network bears no noticeable load however many displays used.

Viva3D can run on very low-cost ePC Stick computers providing proven 24x7 reliability and full status reporting at a fraction of the cost of competing systems.

ViewPoint 3D FIDS Graphics
All items can have unlimited effects
Rotating remarks and status offer clearer status display.
Ticker lines replaced with vertical rotation boxes allow faster reading.
Fully multilingual, supporting all international character sets
More modern and attractive layouts with the most advanced presentation methods and truly unlimited facilities.
ViewPoint 3D advanced visualization

Si prega di segnalare i bagagli incustoditi per la sicurezza!
Please do not leave baggage unattended

24/8/2011 International Departures 國際出發 Международный Вылеты 國際線出發 12:15.12					
Hora Ore	Aerolinea Linea aerea	Destino Destinazione	Chk-in Chk-in	Puerta Gate	Observacion Nota
06:20	AZ1432	ROMA CIAMPINO	B	07	ON SCHEDULE
06:40	AZ118	AMSTERDAM	B	08	ON SCHEDULE
06:40	LH306	FRANKFURT	C	03	ON SCHEDULE
07:10	AZ1410	ROMA CIAMPINO	B	04	ON SCHEDULE
07:15	AF2203	PARIS CDG	B	17	DECOLLATO ALLE 07.22
07:30	AZ1191	LAMEZIA TERME	B	09	DECOLLATO ALLE 07.39
08:00	YW8917	MADRID	A	08	DECOLLATO ALLE 07.55
08:25	LH1895	MUNICH	C	12	DECOLLATO ALLE 08.25
08:55	FR9112	BARCELONA-GERONA	A	03	DECOLLATO ALLE 09.05
09:10	IG1602	CAGLIARI	D	10	DECOLLATO ALLE 09.13
09:15	AZ1210	NAPOLI	B	07	DECOLLATO ALLE 09.14
09:40	FR4665	BRUSSELS CHARLEROI	A	11	DECOLLATO ALLE 09.58
09:50	IV535	CATANIA	A	17	DECOLLATO ALLE 10.31
10:15	AF1103	PARIS CDG	B	04	DECOLLATO ALLE 10.22
10:30	FR465	LONDON STANSTED	A	02	DECOLLATO ALLE 11.05
10:50	LH297	FRANKFURT	C	14	DECOLLATO ALLE 10.51
11:00	AZ1414	ROMA CIAMPINO	B	08	DECOLLATO ALLE 11.19
12:20	AZ562	MOSCOW-SHEREMETYEVO	B	01	DECOLLATO ALLE 12.34
12:40	AZ1640	BARIO	B	08	DECOLLATO ALLE 12.52
12:50	AZ1746	PALERMO	B	14	DECOLLATO ALLE 13.23
13:00	LH1897	MUNICH	C	15	DECOLLATO ALLE 12.58
13:15	YW8795	BARCELONA	A	07	DECOLLATO ALLE 13.49
13:40	AZ1212	NAPOLI	B	12	DECOLLATO ALLE 13.37
13:45	AT943	CASABLANCA	B	04	DECOLLATO ALLE 14.17
14:45	AZ1426	ROMA CIAMPINO	D	07	DECOLLATO ALLE 14.52
15:10	LH299	FRANKFURT	C	14	DECOLLATO ALLE 15.17
15:25	AZ1422	ROMA CIAMPINO	B	09	DECOLLATO ALLE 15.30
16:05	AF1703	PARIS CDG	B	17	DECOLLATO ALLE 16.03
16:20	IG604	CATANIA	D	04	DECOLLATO ALLE 16.27
16:25	LO305	CATANIA	D	03	DECOLLATO ALLE 16.38
17:00	LH1899	MUNICH	C	12	DECOLLATO ALLE 17.18
17:10	AZ1428	ROMA CIAMPINO	B	09	DECOLLATO ALLE 17.30
17:20	BA2579	LONDON GATWICK	D	01	DECOLLATO ALLE 17.23
17:30	AZ1422	AMSTERDAM	B	07	DECOLLATO ALLE 17.42
17:45	AZ7587	ALGERO	B	11	DECOLLATO ALLE 17.50
17:50	IG144	OLBIA	D	10	DECOLLATO ALLE 17.59
18:05	AZ1218	NAPOLI	B	04	DECOLLATO ALLE 18.16
18:35	YW8821	MADRID	A	08	DECOLLATO ALLE 18.43
18:55	LH1901	MUNICH	C	12	DECOLLATO ALLE 18.55
19:20	AZ1214	ROMA CIAMPINO	C	03	DECOLLATO ALLE 18.35
19:40	IB204	MADRID	B	04	DECOLLATO ALLE 19.51
20:00	FR8827	PARIS CDG	B	07	
20:20	AZ1432	ROMA CIAMPINO	B	01	
06:40	AZ118	AMSTERDAM	B	03	
06:40	LH306	FRANKFURT	C	14	
07:10	AZ1410	ROMA CIAMPINO	B	17	ON SCHEDULE
07:15	AF2203	PARIS CDG	B	17	
07:30	AZ1191	LAMEZIA TERME	B	08	
08:00	YW8917	MADRID	A	03	
08:25	LH1895	MUNICH	C	15	
09:10	IG1602	CAGLIARI	D	10	
09:15	AZ1210	NAPOLI	B	07	
09:50	IV535	CATANIA	A	17	
10:15	AF1103	PARIS CDG	B	04	
10:30	FR465	LONDON STANSTED	A	02	
10:45	LH297	FRANKFURT	C	14	
11:00	AZ1414	ROMA CIAMPINO	B	08	
12:40	AZ1640	BARIO	B	14	
12:50	AZ1746	PALERMO	B	14	
13:00	FR2023	IBIZA	A	03	
13:40	LH1897	MUNICH	C	15	
14:15	AZ1212	NAPOLI	B	12	
14:45	FR9167	MADRID	A	03	
15:10	AZ1426	ROMA CIAMPINO	B	07	
15:25	LH299	FRANKFURT	C	14	
15:40	AZ1422	ROMA CIAMPINO	B	09	
16:05	AF1703	PARIS CDG	B	17	
16:20	IG604	CATANIA	D	10	
17:00	LH1899	MUNICH	C	15	
17:10	AZ1428	ROMA CIAMPINO	B	04	
17:20	AZ1422	AMSTERDAM	B	07	
17:30	BA2579	LONDON GATWICK	D	01	INIZIO ACCET. ORE 15.20
17:45	AZ7587	ALGERO	B	11	
17:50	IG144	OLBIA	D	10	
18:05	AZ1218	NAPOLI	B	08	
18:15	AF2003	PARIS CDG	B	17	

Si prega di segnalare i bagagli incustoditi per la sicurezza!
Please report any baggage unattended to information

24/7 Certified 2K & 4K interactive players



ePC content players provide optimum performance and reliability

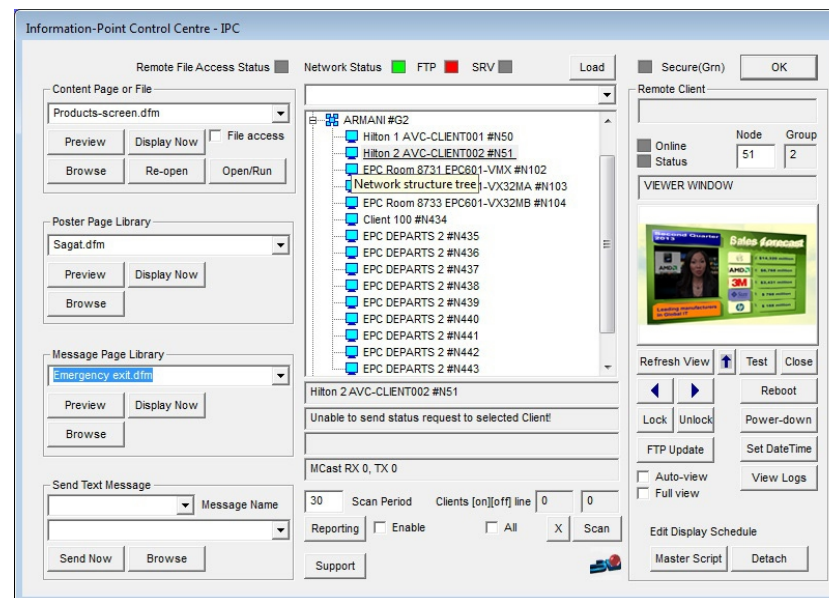
The ePC range of players are designed to operate 24x7 with laboratory certified performance and reliability. From the tiny Stick or tablet-based ePC's running Viva3D Pro, to multi-GPU systems driving the latest 4K & 8K Ultra High Resolution monitors, the ePC range delivers the best value for money backed by a full 5-year warranty*.



Economy and flexibility:

ePC systems can manage three FHD, or two 4K screens, supporting multi-monitor and large video wall displays economically. ePC systems are fault tolerant, with full reporting and recovery from any type of failure, with PC rebooting if necessary, ensuring that digital signage displays operate at peak efficiency at all times. All ePCs are 24/7 certified by SAS.

Display Network Management



Managing small or large Digital Signage networks:

From one to millions of clients, ViewPoint offers the management and server-side software needed for the job, software that has been proven in the largest projects, such as key international airports and national retail chains, operating reliably over many years with the highest reliability.

The management software is fault-tolerant, operating on multiple servers, sending email and SMS status messages to ensure that system managers are always fully informed.

Full support of complex language scripts in 2D and 3D

Viva3D supports the full range of international glyphs & keyboards

Just select your keyboard, Chinese, Korean, Japanese, Arabic or even Tibetan, and start typing! You can create 3D content with beautiful glyphs in whatever language you need!

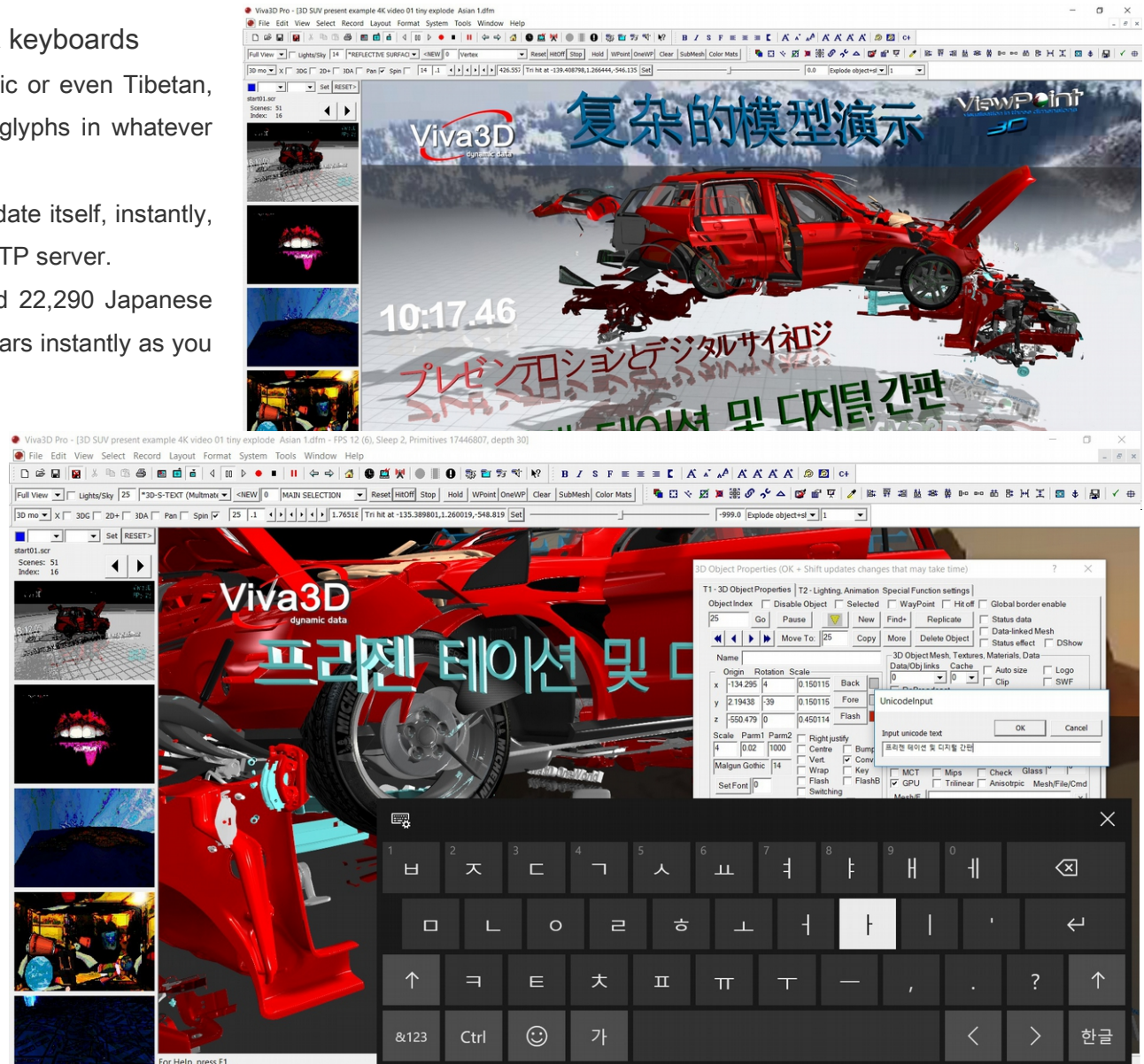
Furthermore, the 3D text in your content can automatically update itself, instantly, from remote Unicode text streams from services or your own FTP server.

There are 28,762 Chinese glyphs, 21,647 Korean glyphs and 22,290 Japanese glyphs available in Viva3D Pro for 2D and 3D text, which appears instantly as you type in the selected language.

CUSTOM PROJECTS: We can provide comprehensive hardware and software services for both industrial and commercial projects. If you have special requirements or support needs, we can provide a solution efficiently, rapidly and economically. Please ask for our references.

Advanced software development:

- ✓ Desktop and embedded applications
- ✓ C, C++, Java, ASM – Win, Linux & Android
- ✓ Specialised 3D computer graphics
- ✓ Autostereoscopic drivers
- ✓ Stereo streaming and Communications
- ✓ Industrial process control



Contact

Viva3D Pro in profile

Advances in computer graphics technology has enabled new improved methods to create live-data 3D that can instantly render content that once took hours or days. We have striven to apply these advances to create a completely new 3D application enabling fully interactive content to be created much more easily, that uniquely can be instantly updated by users, or remotely from the Cloud or FTP servers. Our aim has been to make creating 3D content as easier or easier than 2D.

Viva3D Pro can provide high-end functionality, including speech recognition & stereo vision support, where it can not only mix content with stereo camera feed within the 3D scene, but also detect people and objects, and interact with people in a truly human manner.

Whether used to create 3D presentations, advertising content, interactive presentations, entertainment, or virtual reality scenes, Viva3D can manage a wide range of tasks faster and at lower cost than any other application available today, thanks to its uniquely efficient algorithms.

Viva3D Pro software offers true environmental effects, reflections, pixel lighting, soft shadows, video streaming into the 3D scene at up to 4K resolution, truly massive data model rendering in real-time, cross-sectioning and and much more. Viva now has an industry standard key frame animation system with skinning and morphing running entirely on the GPU, supporting photo realistic human model animation even on low-cost and mobile devices. Our next challenge is to create content using photorealistic human models that you can talk to, that can interact with you fully in the most human way!

Viva3D Pro software can be used on all modern devices, from PCs to phones. It is highly expandable and uses industry standard hardware. As an object-oriented system it is readily expandable to meet all future requirements, operating at up to 20x the speed of similar applications due to code efficiency.

Visit YouTube to learn more:

<http://www.youtube.com/viewpoint3d>



USA

Tel. +1 (215) 240 6030

Europe, Middle East & Asia

Tel. +44 (0)20 8144 3150 03333 44 21 20

Email: info@viewpoint-3d.com

Tech: www.ViewPoint-3D.com

Business TV Service: www.Viva3D.tv