

Curve®

Navigation



Curve into Digital Surgery

Curve Navigation is our most powerful and versatile image guided surgery platform that offers more than navigation—it's your mobile entry into digital surgery and simplifies workflow steps before, during and after the procedure.

With a light-weight cart featuring an extra large 4K display, you can plan, review, document and stream your surgery from anywhere in the O.R.



Curve Digital Surgery Workflow



Before Surgery		During Surgery		After Surgery
Setup: Reducing effort and time	Technology options: Addressing different procedure needs	3	Visualization and Guidance: Improving quality of procedure	Postoperative Documentation: Enabling immediate data availability
Easy and flexible positioning of Curve display and camera cart	Optical tracking for cranial, spine, trauma, ENT and CMF procedures	Display and control more content from different applications on large mobile screens with two Curve display carts	Live O.R. access and instant documentation with streaming, video recording and screenshot functionalities	Automatic data export to preferred storage locations and instant documentation access on any client device
Fast data setup with automatic patient worklist creation and DICOM data-prefetching	Electromagnetic tracking for pinless cranial and ENT procedures*	Unsterile control and access to even more features like conferencing and video routing with Buzz® Digital O.R. extension	4K visualization of microscope or endoscope images	
Pre- and intraoperative planning with access to all installed Elements applications		Enhanced team visualization with integration of existing O.R. displays	Flexible connection of intraoperative devices and sources with multiple, device-independend ports	
Hyper-realistic mixed reality visualizations with Mixed Reality Viewer				

*EM tracking not yet commercially available in the USA



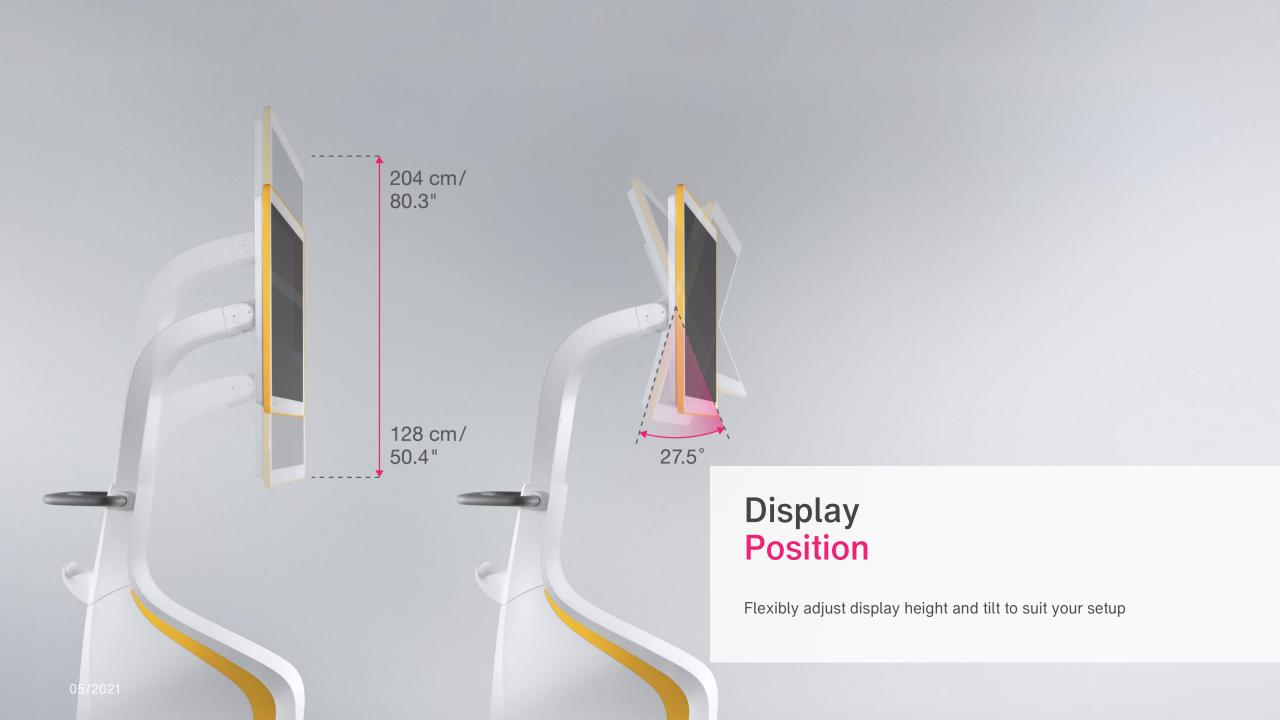
Small Footprint

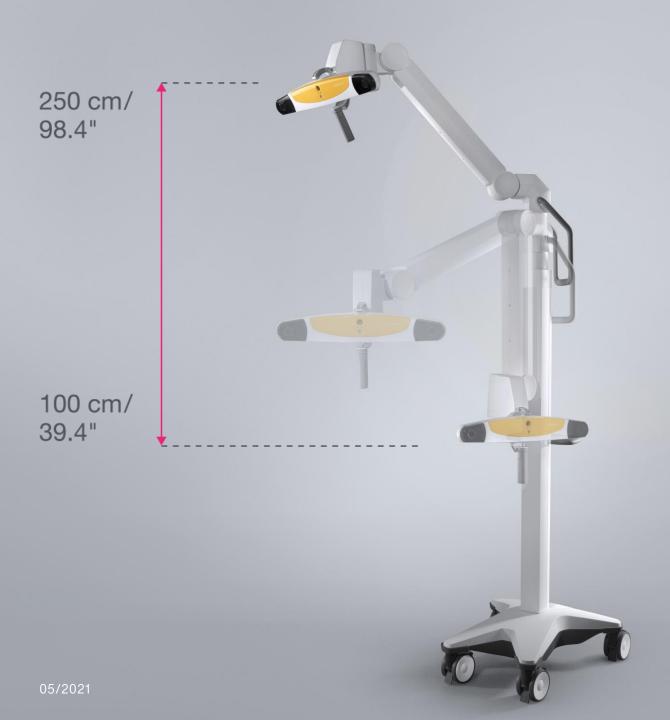
Easily wheel the slim and light-weight display cart into the O.R. and bring it into its desired position



Big Picture

- The large 32" touch display provides 40% more viewing space compared to a 27" screen, allowing for clear viewing from any position in the O.R.
- 4K resolution offers 4 times more pixels compared to full HD for greater detail

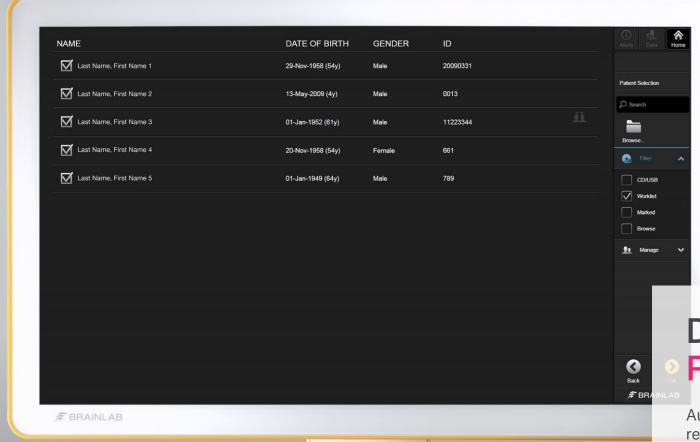


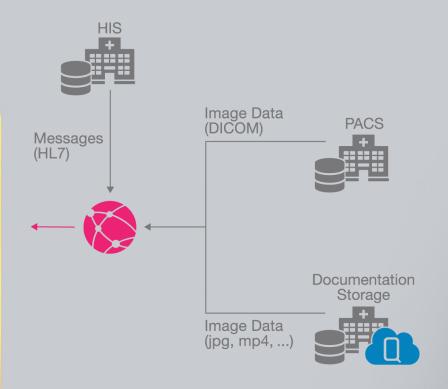


Camera Setup

Position camera high or low to ensure an uninterrupted line of sight







Data **Pre-Loading**

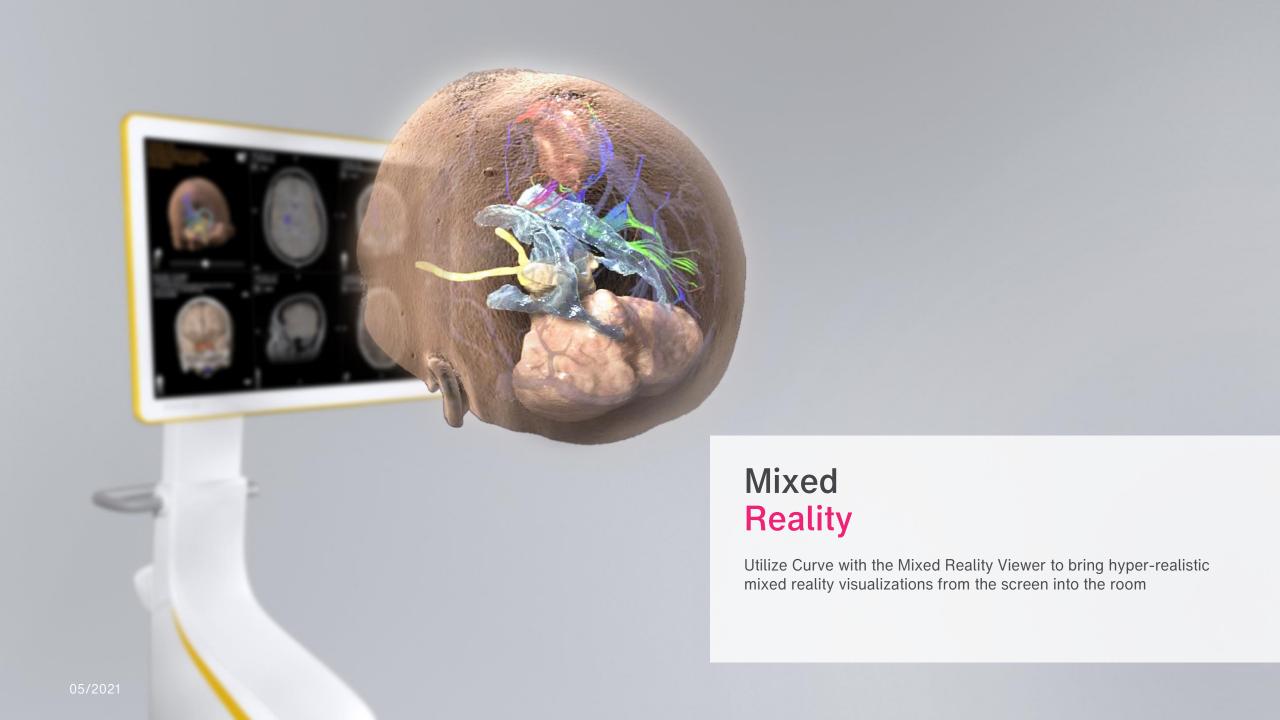
Automatic patient worklist creation and DICOM data-prefetching reduce wait times before surgery*

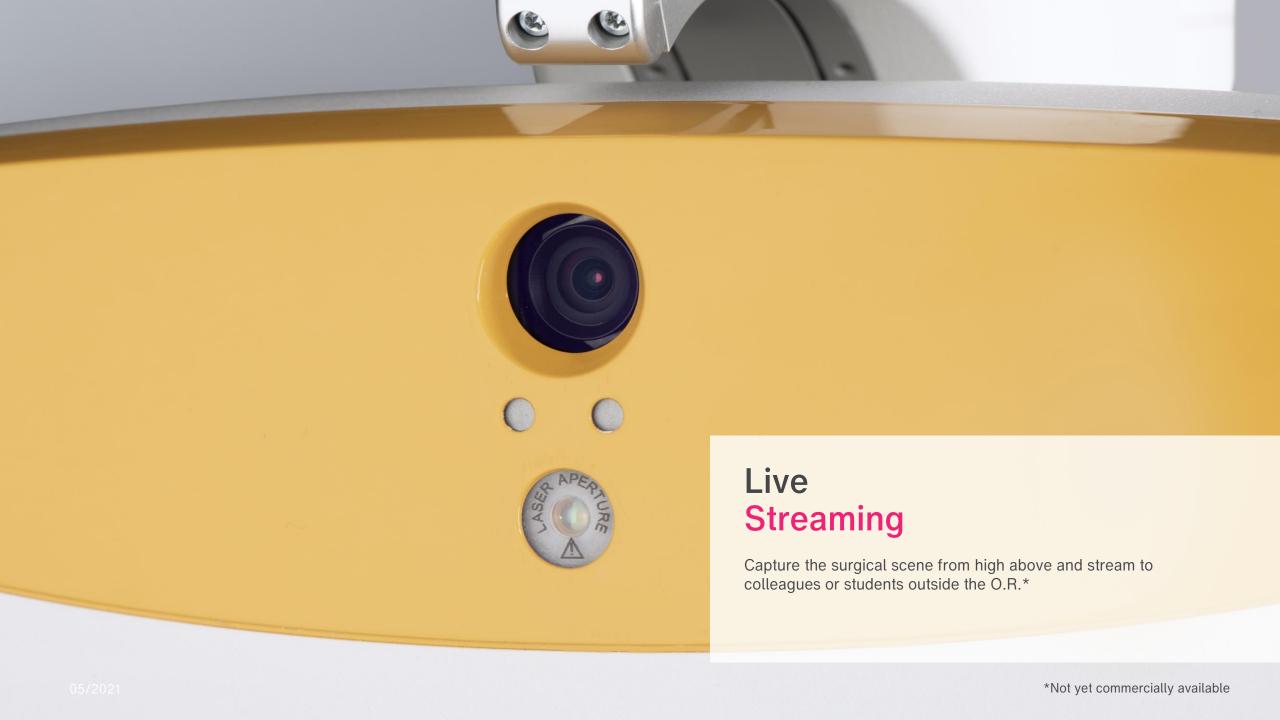




On-the-fly Planning

- Create and optimize plans right before or even during the procedure with O.R. access to any installed Elements software
- Continue planning exactly where you left off using sleep mode, e.g. for system transport

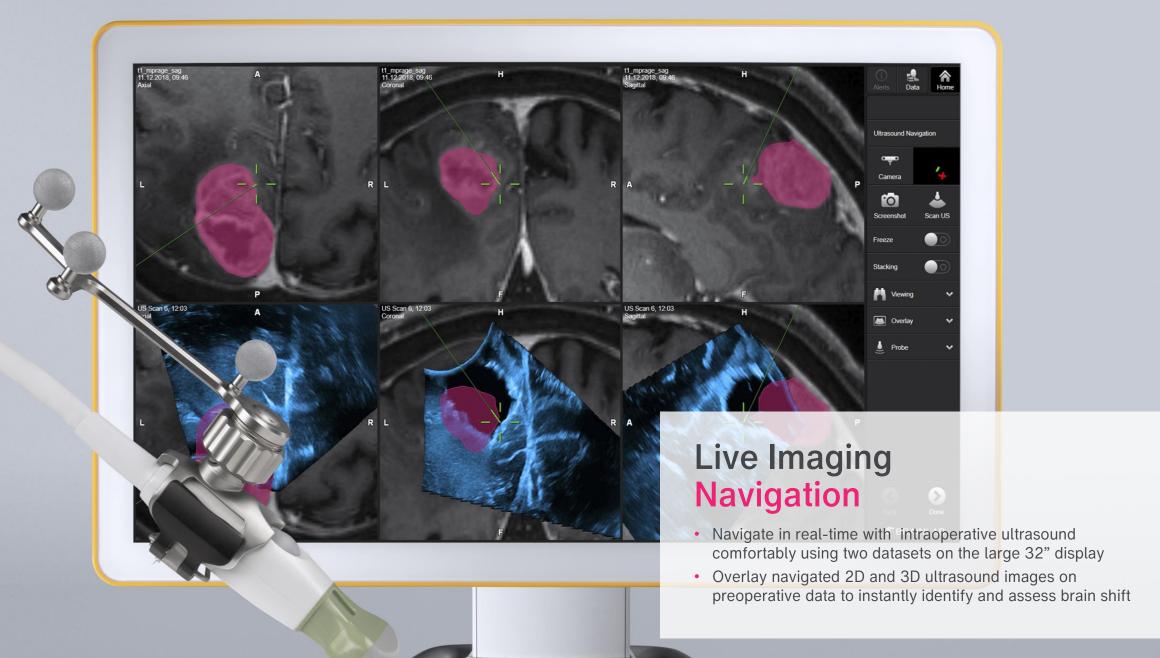


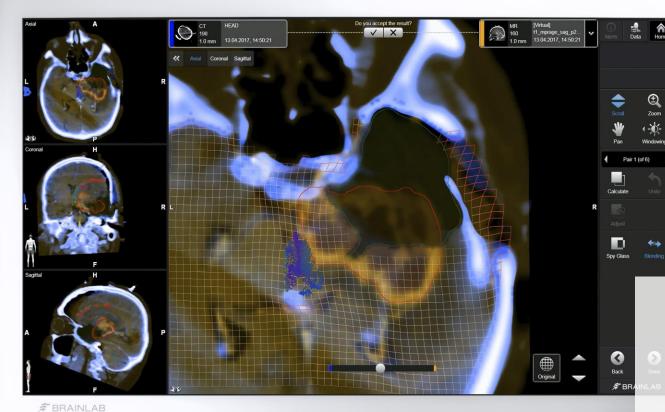












Intraoperative Update

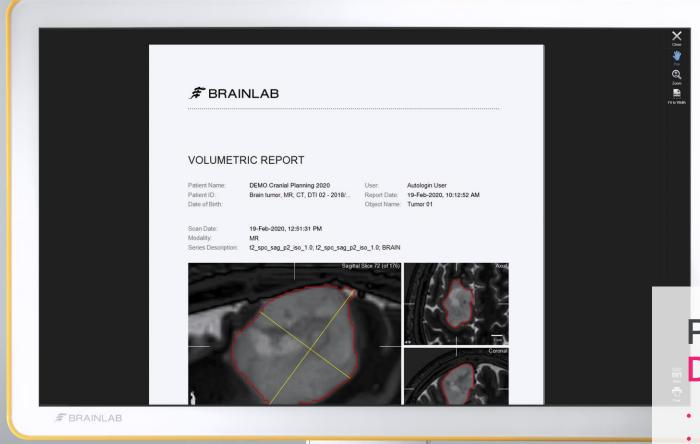
Thanks to its processing power, surgical plans are swiftly updated based on intraoperative CT images with Elements Virtual iMRI Cranial

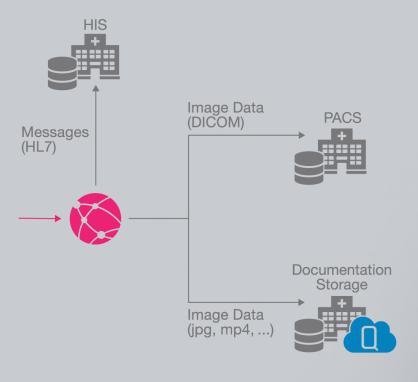


Automatic Image Registration

Navigate on intraoperative scans immediately after acquisition and regardless of modality thanks to Automatic Image Registration





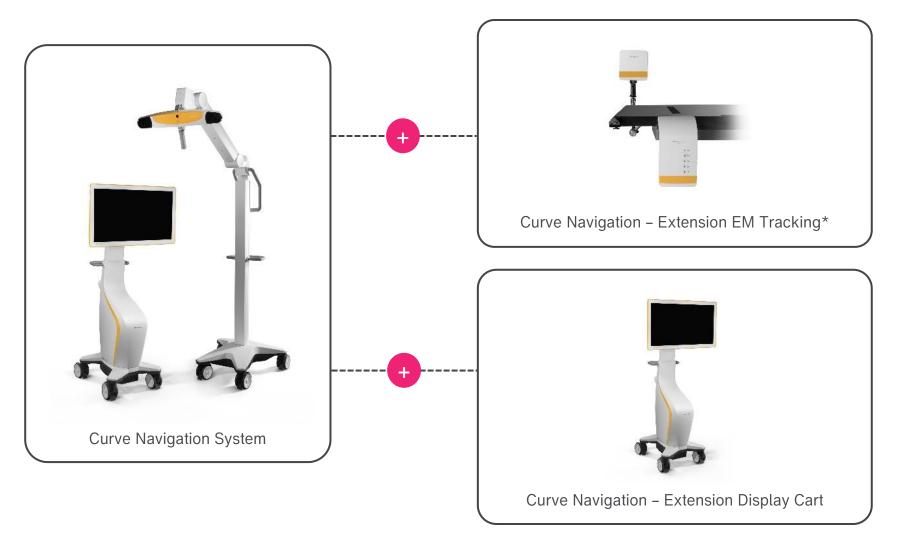


Postoperative **Documentation**

- Archive all data manually or automatically*
- Immediately access exported files on any client device for review or patient consultation

Platform Extensions

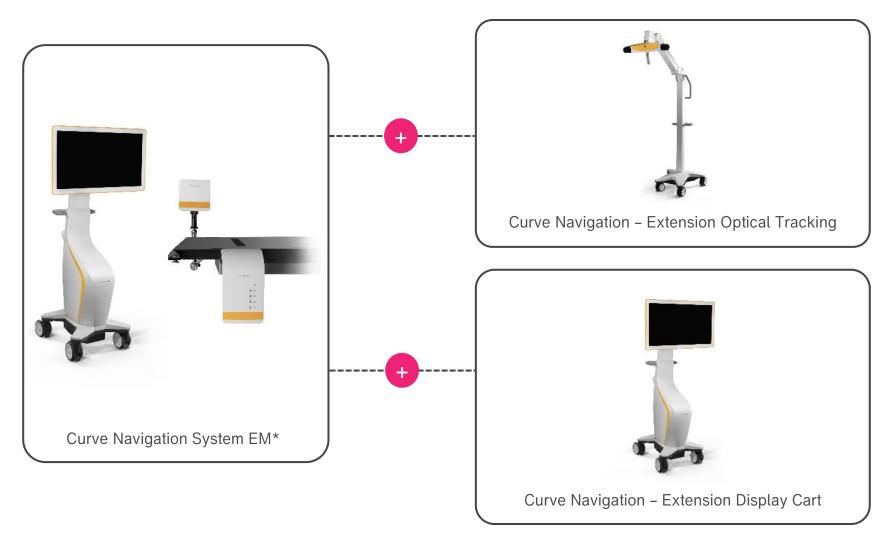




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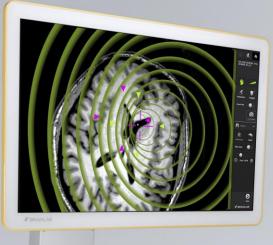
Platform Extensions





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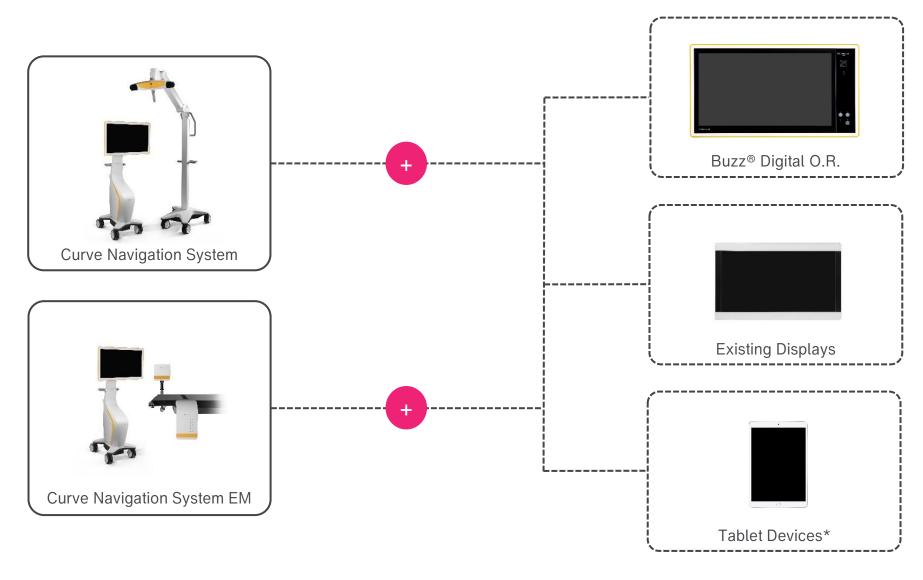


Electromagnetic Navigation

- Choose to add EM tracking* to perform pinless procedures
- Large tracking volume and articulated arm allow for flexible setups

Screen Extensions



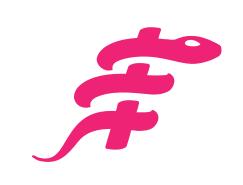


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