

### 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 and suitable software, 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**

#### **Technology options:** Setup: Reducing effort and time Addressing different procedure needs Easy and flexible positioning Optical tracking for cranial, spine, trauma, ENT and CMF of Curve display and camera cart procedures Fast data setup with automatic Electromagnetic tracking for pinless cranial and ENT patient worklist creation and DICOM data-prefetching procedures Pre- and intraoperative planning with access to all installed Elements applications

Hyper-realistic mixed reality visualizations with

Elements Viewer

Scaling options: Extending intraoperative use		Visualization and Guidance: Improving quality of procedure	
7	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 screensho functionalities
	Unsterile control and access to even more features like conferencing and video routing with Buzz® Digital O.R. extension	4K	<b>4K visualization</b> of microscop or endoscope images
	Enhanced team visualization with integration of existing O.R. displays	<u> </u>	Flexible connection of intraoperative devices and sources with multiple, device-independend ports

Postoperative Documentation: Enabling immediate data availability



Automatic data export to preferred storage locations and instant documentation access on any client device



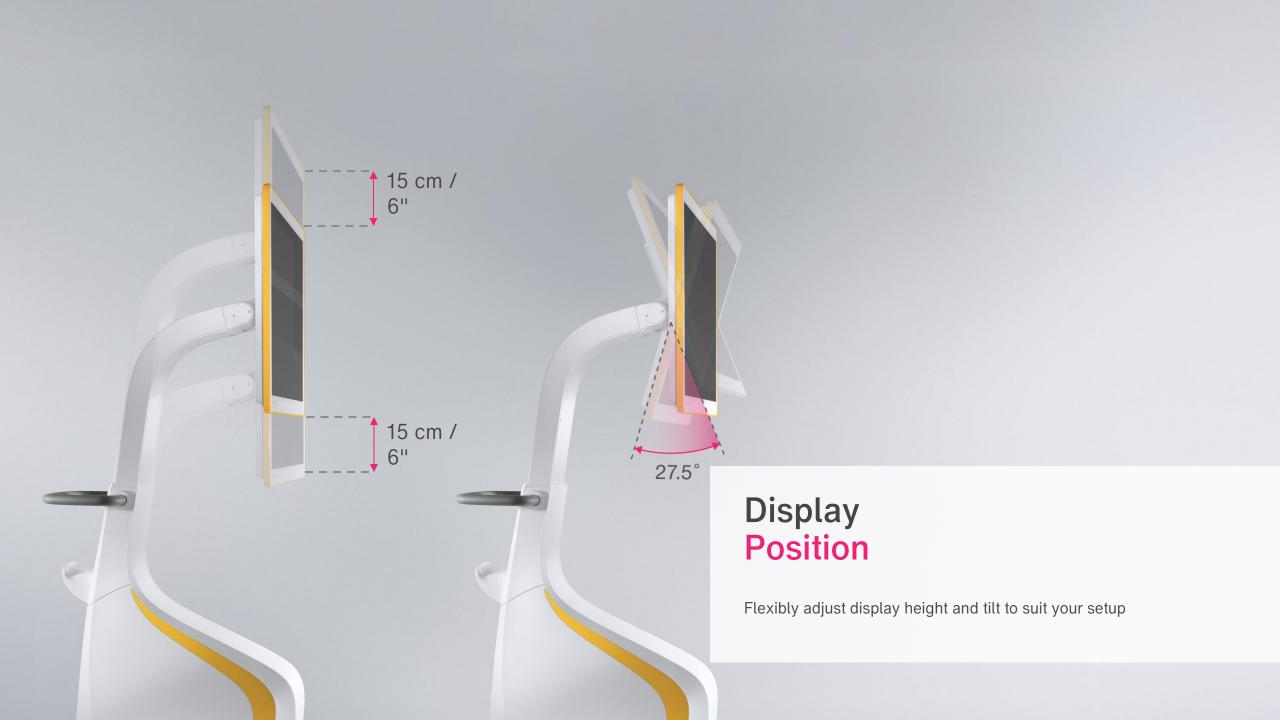
# Small Footprint

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



#### Big Picture

- The large 31.5" 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

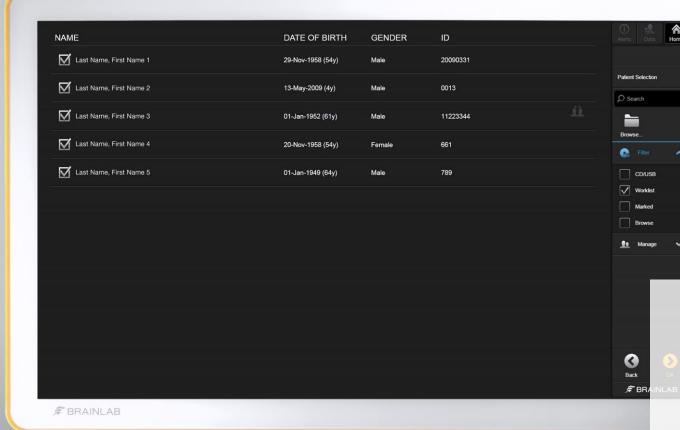


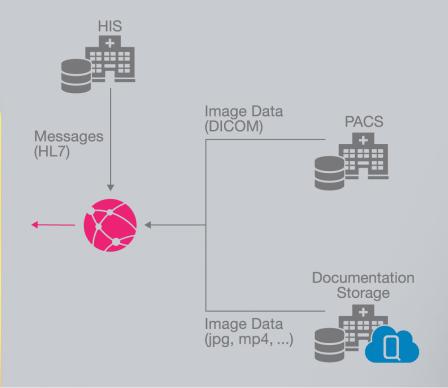


## Camera Setup

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

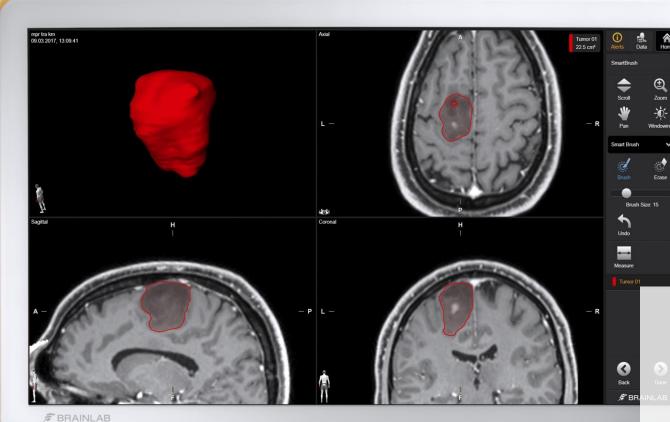






## Data Pre-Loading

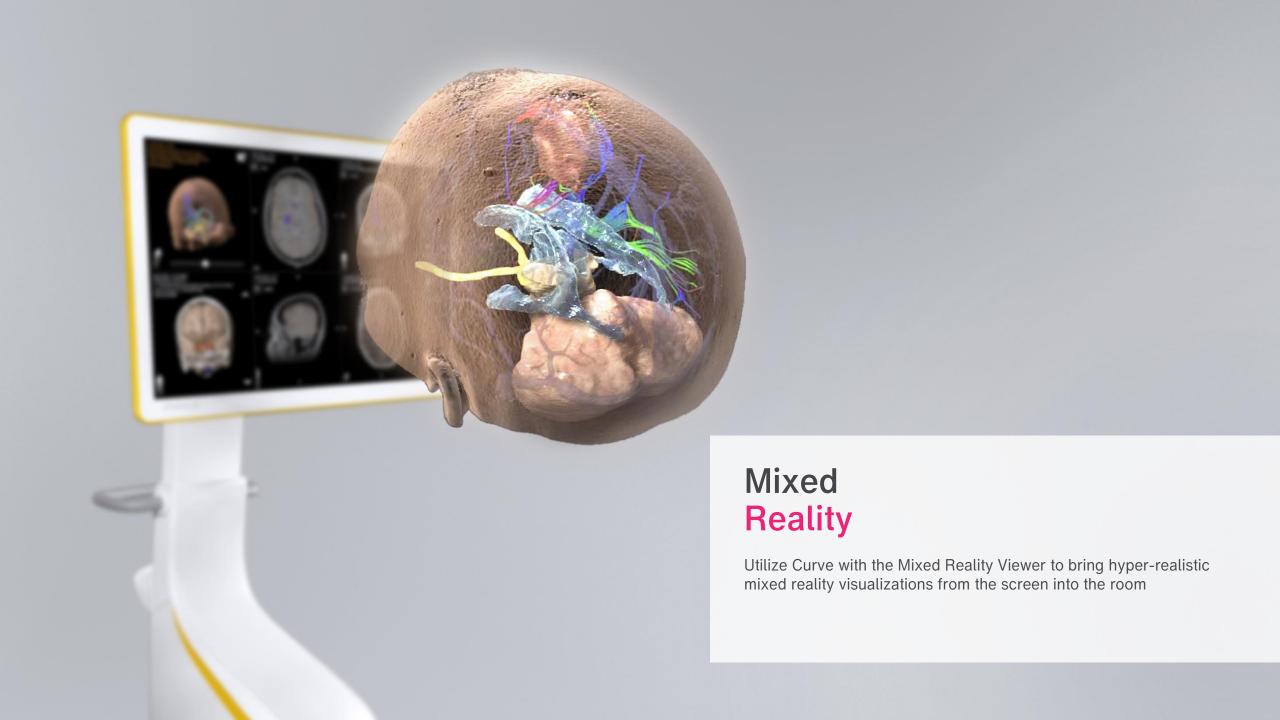
Automatic patient worklist creation and DICOM data-prefetching reduce wait times before surgery\*

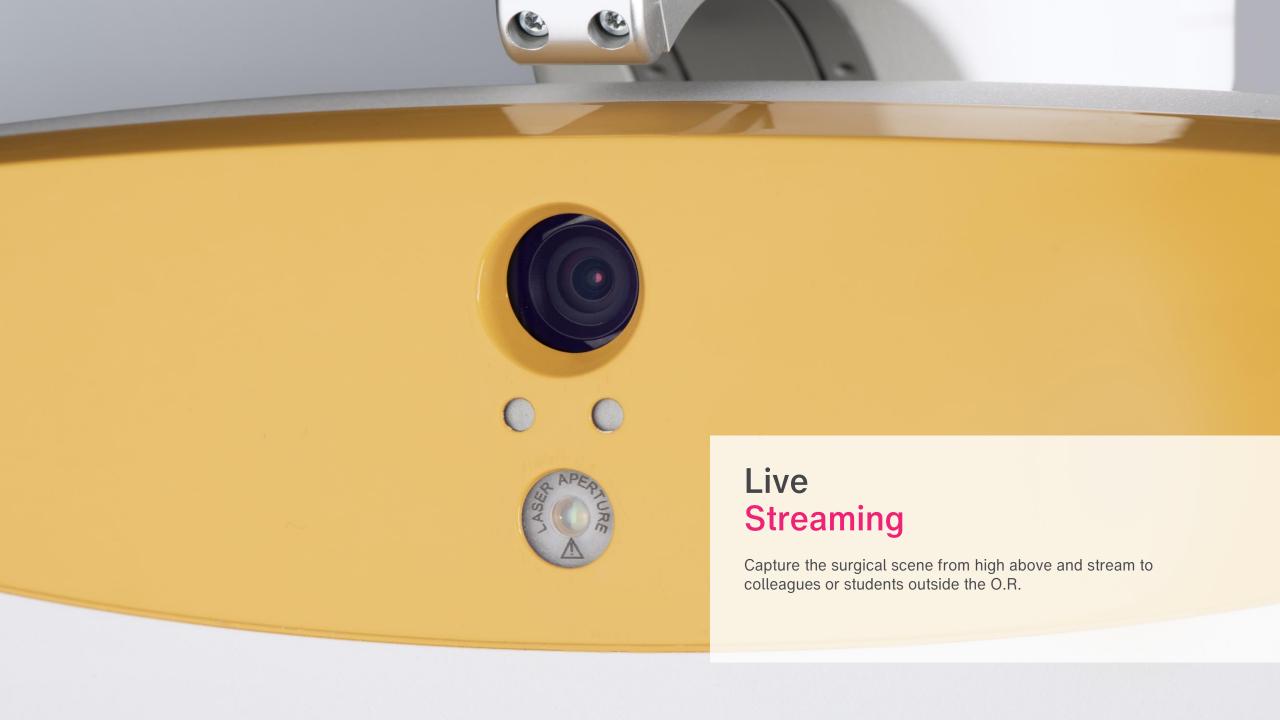




# On-the-fly Planning

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



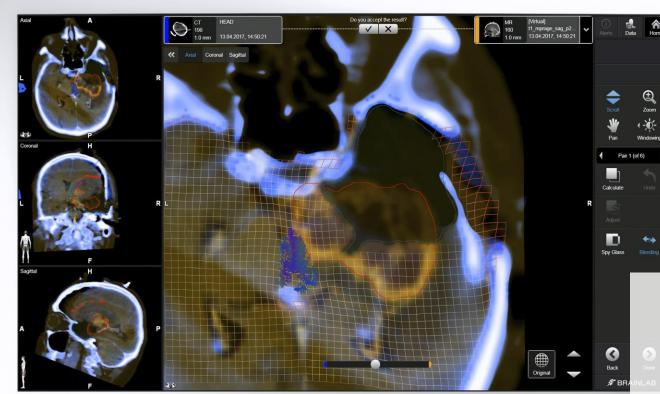












₹ BRAINLAB

## Intraoperative Update

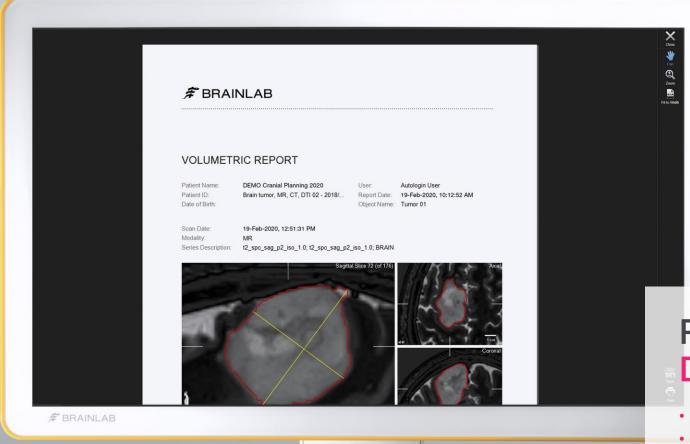
Thanks to its processing power, surgical plans are swiftly updated based on intraoperative CT images with Elements Virtual iMRI Cranial

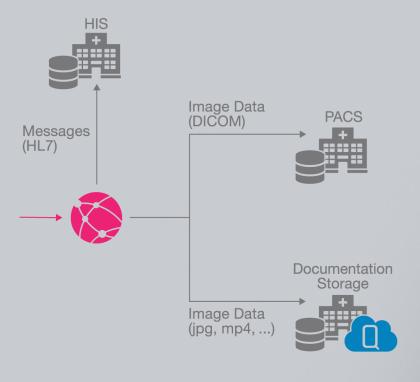


#### **Automatic Registration**

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





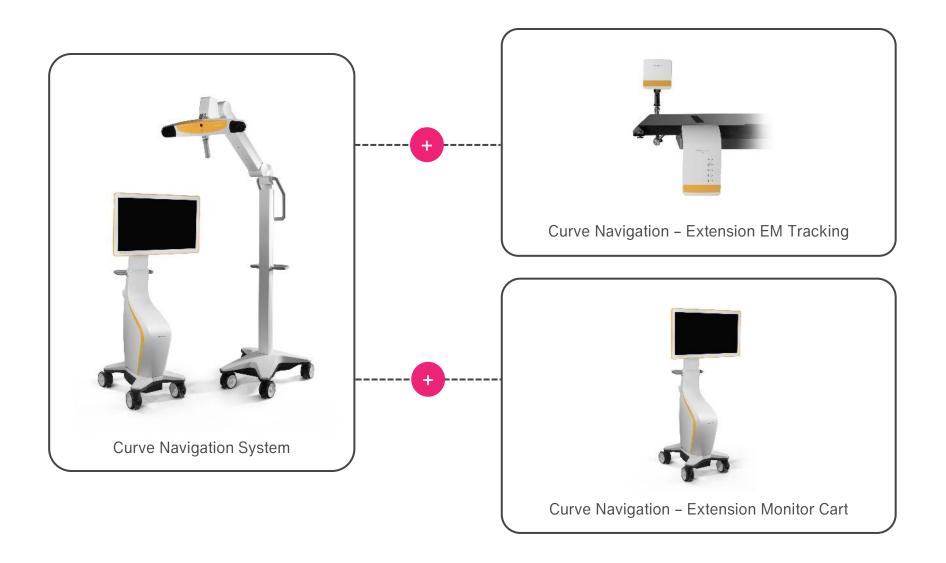


### Postoperative **Documentation**

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

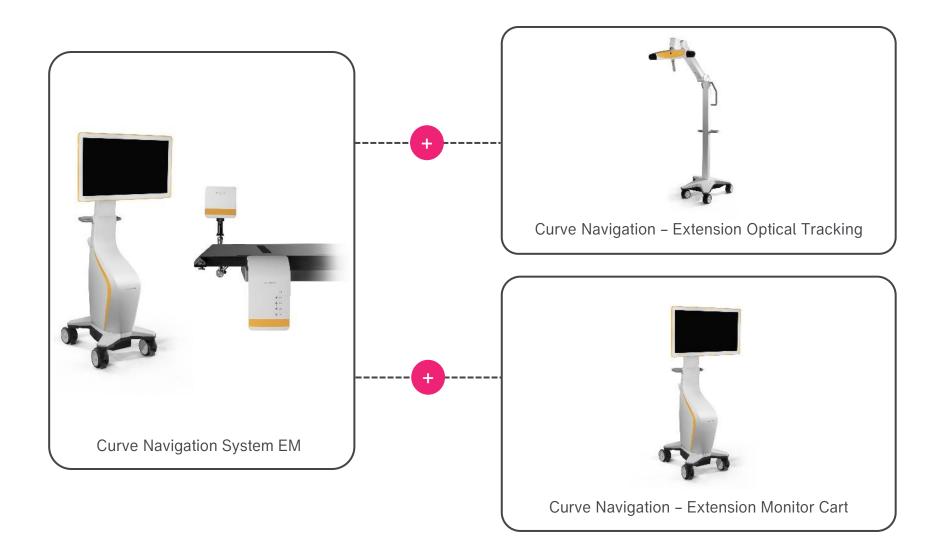
#### **Platform Extensions**





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# **Electromagnetic Navigation**

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





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