Advantage of EyeRIS Interactive Solutions over conventional Physical IWB & Portable Solutions

What is EyeRIS? Is it a Physical Interacve Whiteboard or a Portable Interacve Unit?

EyeRIS is unique of its kind Hybrid Interac ve Solu on. Hybrid solu on is a combina on of a Physical Whiteboard and a Portable Solu on designed keeping in mind the advantages of both and disadvantages of none.

Disadvantages of Physical Interacve Whiteboard:

- Limited screen size (a standard size of 77/78") with limited aspect ra o
- Large diagonal (more than 78") physical interacve whiteboard is exorbitantly expensive
- Electronics circuits are a ached to the board suscepble to damages
- Difficules in maintenance / a er sales services because of large size & heavy weight

To overcome the drawbacks of physical interacve whiteboard, there came a breed of portable Ultrasound soluons like eBeam, Mimio etc. (where sensing unit is fixed on the projecon board itself) and IR based Chinese portable device (fixed with the Projector).

The advantages of these Portable soluons were:
- Maintenance free and effecve troubleshoong
- Easy installa on
- Can be easily shipped back if not working

However, the major drawbacks were:
- Poor wring experience as compared to PHYSICAL IWB
  - For ultrasound soluon the poor wring performance is because of using SOUND media (slow media as compared to LIGHT)for transming signals for interacvity
  - For Chinese IR based soluon the poor wring performance is due to LINE OF SIGHT OCCLUSION issues (Shadow Problem)

- Unstable calibra on
- Poor IWB applica on suite

Iden fying the GAP / LIMITATION in the available Products / Soluons in the market, CYBERNETYX Research & Development team in Germany conceptualized & developed a unique HYBRID soluons called **EyeRIS Micro Ultra-short Throw Interacve Whiteboard Soluons** with a combina on of a Physical Whiteboard and a Portable Soluon designed keeping in mind the advantages of both and disadvantages of none.

Here we explain..... How ???

EyeRIS IWB Soluons:

In EyeRIS Interacve Soluons the "Visual Touch" SmartVision 3-D tracking unit is mounted on the top of the projecon board at Z-axis produces 90" Interacve surface at a distance of just 30cm from the white board. This is combina on RGB (Opcal) & IR soluon that uses LIGHT as a media for transming signals & capable of producing feather smooth / fast / real me wring experience with zero off-sets, occlusion & calibra on instability. EyeRIS IWB soluon is also having OpBar where commonly used tools are acvated on the board itself like physical IWB. It has immense flexibility to use any normal whiteboard giving an interface same as a physical Interacve Whiteboard which have got acve buons on the board. By designing a hybrid soluon, the user can anyme use the whiteboard as a normal whiteboard where the user can use a normal wring marker (this is also a limita on for some of the physical IWB) and on top of this use that whiteboard as an Interacve Whiteboard when needed. This flexibility is not possible while using a Physical Whiteboard Soluon or a Portable Soluon.
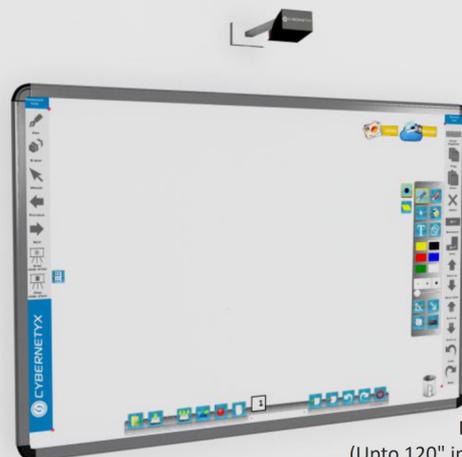
Summarizing the quick advantage of this unique hybrid soluons are: Well performance, Fixed setup-No calibra on issue (screwed behind the board), Intuive Soware- Acng as Tablet feature of a Smart phone, Maintenance free and effecve troubleshoong (no circuitry a ached on the board), Easy installa on, Can be easily shipped back if not working (global failure rate is less than 0.1%), Screen size of 90" diagonally can be achieved from a distance of just 30 cm, No Shadow problem placed on the top of Whiteboard giving you occlusion free experience etc.

USP of EyeRIS IWB soluons:

1. World's first Interacve Soluon that supports 255 touch simultaneously.
2. Feather-smooth wring experience, with real-me response.
3. Surface independent & robust installa on. Low support and maintenance costs.
4. Supports Gesture Recognion, like zoom, pan, lt, flicks and so on.
5. Super-capacive stylus with no consumables like ba ery.
6. Na ve handwring recognion.
7. Shape-recognion up to six-sided figures.
8. World first Interacve whiteboard soluons with "Cloud Access" in IWB Applica on, content can be accessed for free on any topic in the world.
9. Super Compressed recording (1 hour class room lecture Recording with approx. 80 MB file size only).
10. Full support for MS Office files like handwring recognion in Word, Excel and PowerPoint.
11. Extensive Resource Library with relevant content.
12. Na ve Support for classroom camera soluon (All 3D objects or experiments can be shown inside the classroom).
13. Geometric Tools like protractor, compass, ruler etc. & Integra on with MS Office.
14. Local Language Support like Hindi, Mandarin, Chinese, zJapanese, German, Spanish, French etc.
15. Student Evalua on Funconality (Oponal)

EyeRIS Micro 6090UST
(Upto 90" interacve area coverage @ 30 cm)

EyeRIS Micro 6120ST
(Upto 120" interacve area coverage @ 50 cm)