



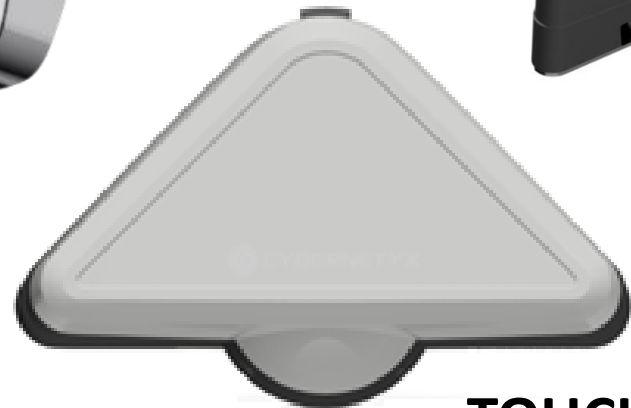
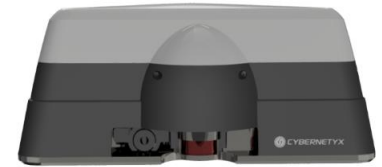
# EyeRIS-IX

# EyeRIS-IX Interactive Whiteboard Systems

Converts any projection surface or whiteboard into **interactive whiteboard systems** (with both Stylus touch & Finger Touch options)



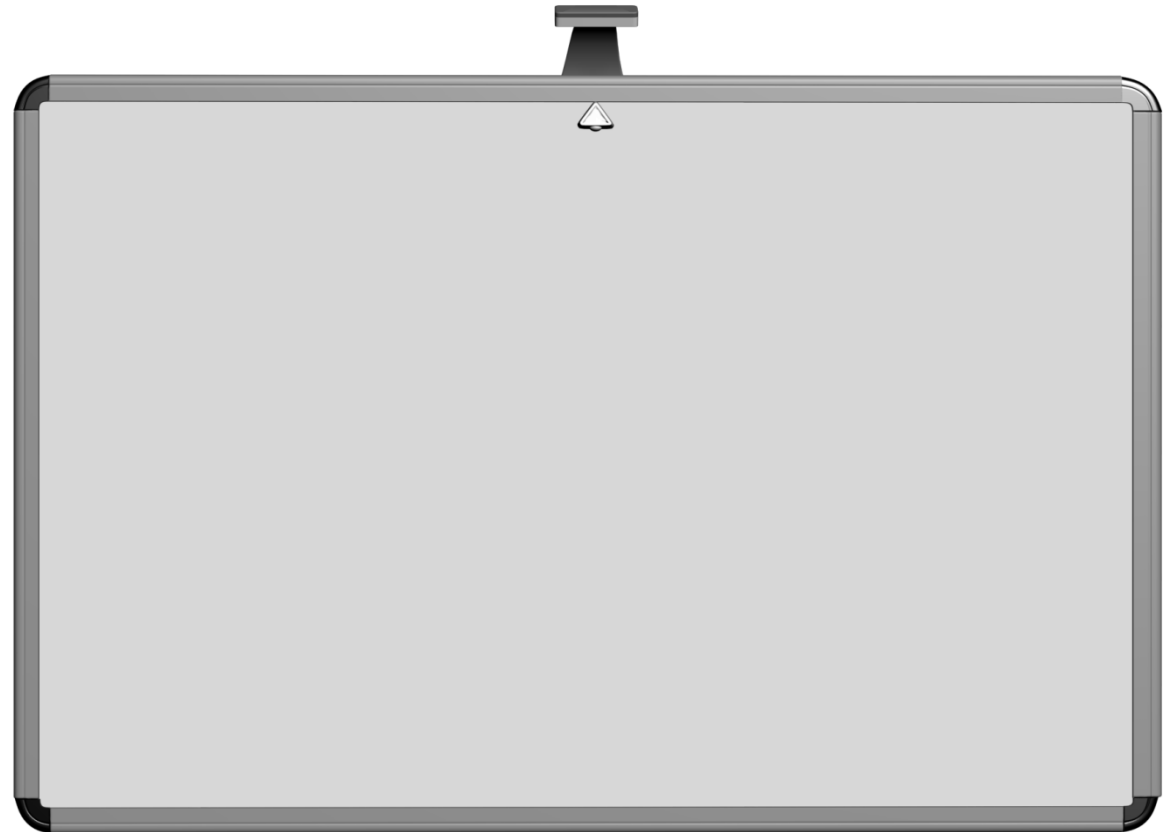
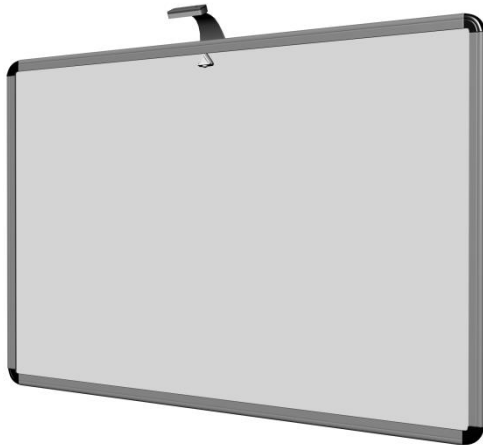
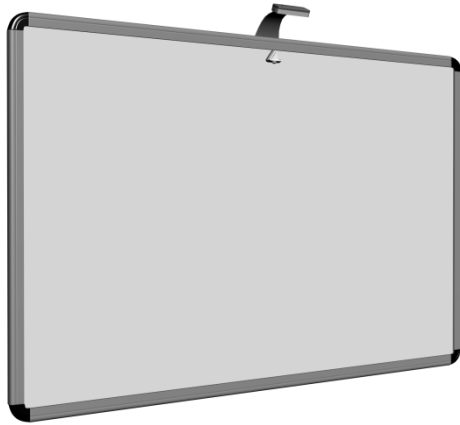
**EyeRIS v3.1 Camera unit**



**TOUCH v2.0**

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# EyeRIS-IX Interactive Whiteboard Systems

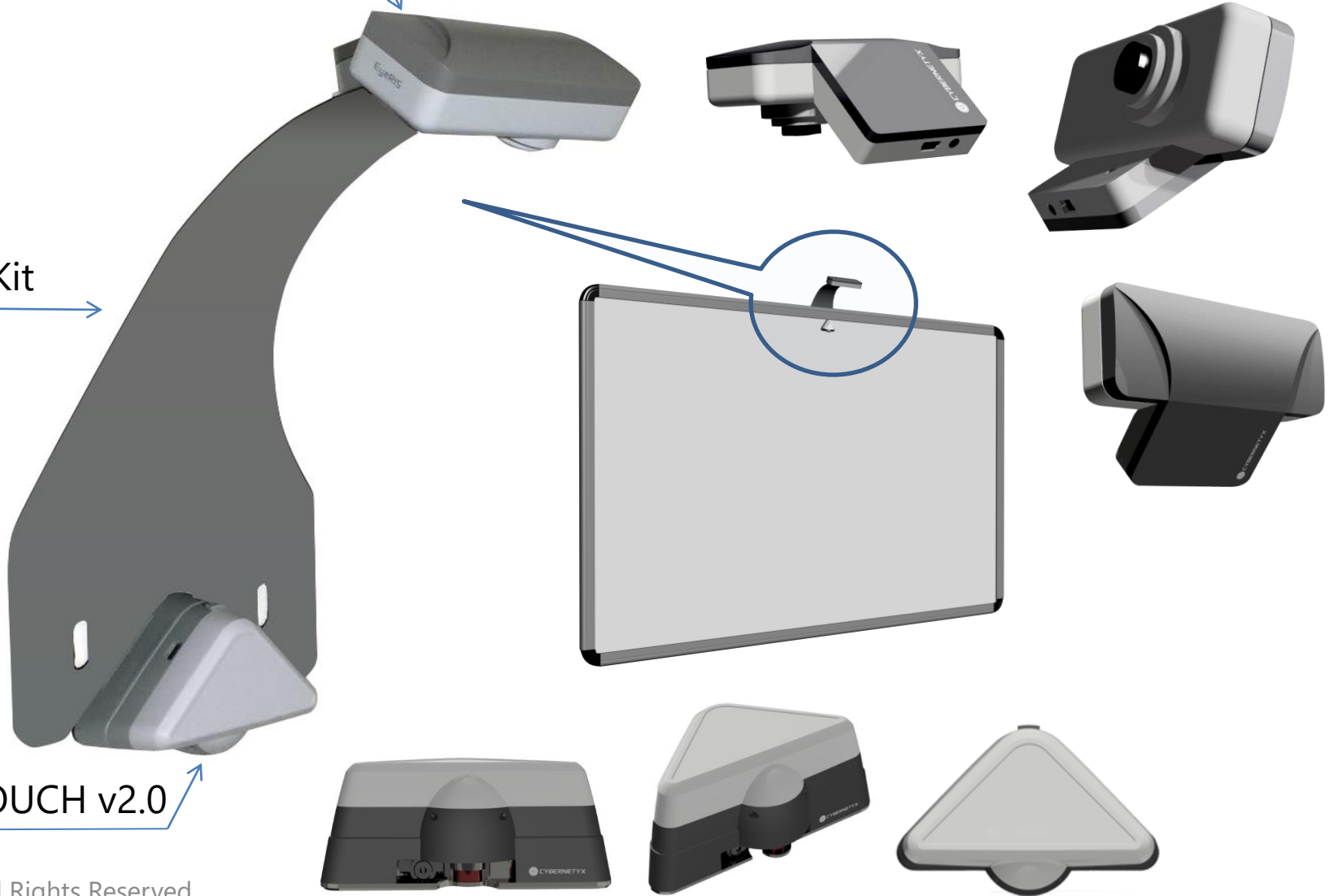
For Board room / meeting room / conference room

# EyeRIS-IX Interactive Whiteboard Systems

EyeRIS v3.1

Mounting Kit

EyeRIS TOUCH v2.0



EyeRIS v3.1



EyeRIS-IX Mounting arrangements for IWB application



TOUCH v2.0



## Interactive Projection Solution with EyeRIS-IX Series

(Converts any projector into **Interactive Projector**)



EyeRIS v3.1 attached with normal ST Projector to convert it into interactive projector



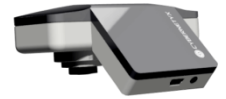
EyeRIS v3.1 attached with normal UST Projector to convert it into interactive projector

# Interactive Projection Solution with EyeRIS IX Series

(Converts any projector into **Interactive Projector**)




## EyeRIS v3.1



## TOUCH v2.0







Imagine. Make great products. Change the world.

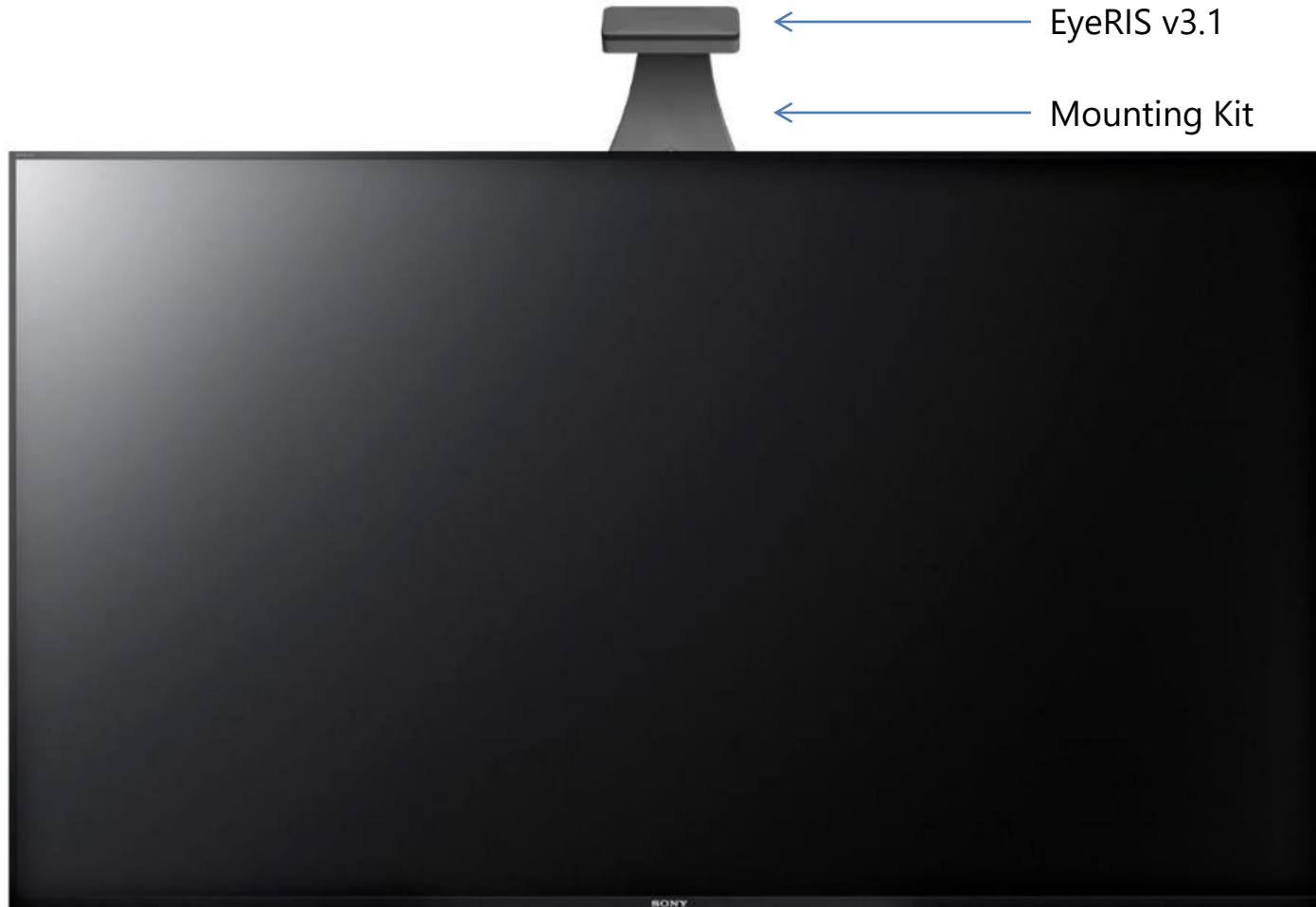
Set-up Schematics | Interactive Panel using EyeRIS-IX series

Converts any panel / display into **interactive panel / display**

(Coming Soon)



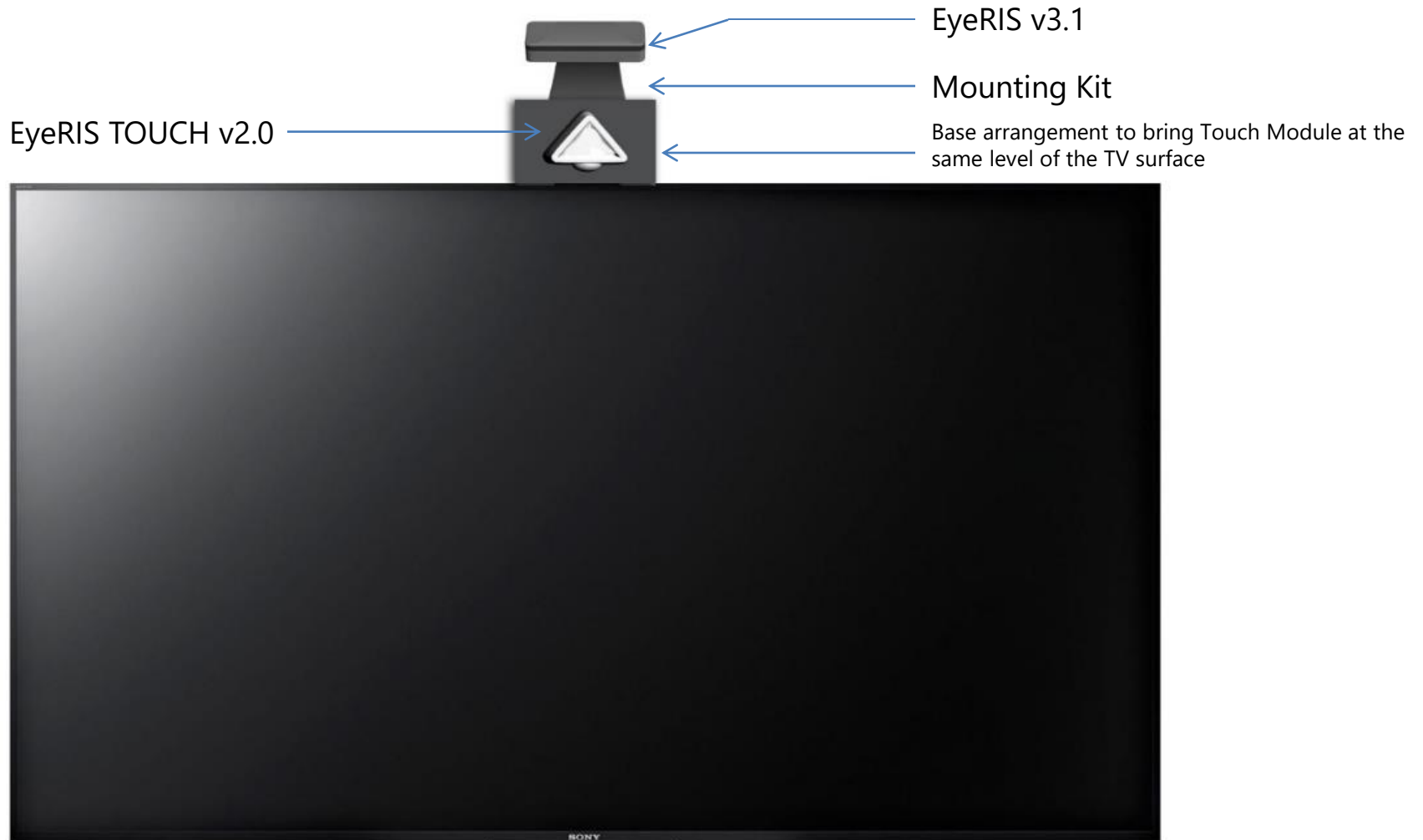
## Set-up Schematic | Stylus TOUCH Version (Only)



## Set-up Schematic | Stylus TOUCH Version (Only)



## Set-up Schematic | Finger TOUCH Version



## Set-up Schematic | Finger TOUCH Version



## Specification sheet:

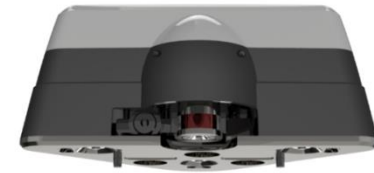
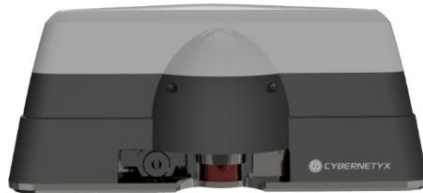
### EyeRIS V3.1 Interactive Camera Unit

Movement Detection Technology	3-D Optical
Tracking Active Area (max projection size recommended)	Up to 100" for 16:9 aspect ratio (Wide angle) & up to 80" for 4:3 aspect ratio
View angel (Vertical)	95 deg
View angel (Horizontal)	110 deg
View angel (Diagonal)	170 deg
T/R Range	0.6 / 0.4 / 0.2 / 0.16
Tracking Speed	60-70 FPS (can be extrapolated upto 200 FPS) 830nm +/- 20 & 650nm +/-20 dual band tracking technology (Visible and IR bands)
Ambient Light Resistance Technology	
Simultaneous Touch Point Support	255 (System configuration dependent)
Calibration Technology	Automatic as well as Manual Calibration
Connectivity Interface	Mini USB
Max USB Transmission Distance	15 ft
Power Requirement	5 V
Power Consumption	< 1W
Operating & Storage Environment	Temperature : -10 to +60 degree; Humidity: 0% to 95%
Accuracy	+ / - 2 px
Response Time	Upto 195Mn dots/sec
Resolution	Sub-pixel upto 6768 x 4320 pxsq (native 752x480)
Data Refresh Rate	Upto 195 million dots/sec, USB bandwidth around 200 MBPS
Optimised Cursor Jittering	7 point bezier algorithms histogram



## EyeRIS TOUCH V2.0

TECHNOLOGY	180°PRISM laser technology
Laser diode quantity	1
Output power	200mW in CW
Wavelength	830nm +/- 20
Red Light Laser	Yes
Red Light Laser Wavelength	650nm +/-20
Divergence angle	180°PRISM
Power Voltage	5V/1.5A
Power Consumption	1W
Operating environment	Temp -10 ~ 50C / Humidity 0%-95%
Storage environment	Temp -30 ~ 70C / Humidity 0%-95%
0 & 180°Power	± 60% of 90°Power
Life time	≥7000hr
Line width	2.0mm ± 0.5mm at 1.5m
Magnet	Yes
MiniUSB	1
MicroUSB to MicroUSB	1 (4.5M)
Y-Cable MiniUSB/Audio mono 2.5mm/USB TYP A	1 (5M)
Power Adapter 5/2A	1



## Driver/ Alignment Software

Function	Calibration
Windows (7, 8, 8.1,10)	Yes
MAC OSX (till Yosemite)	Yes
Linux YOCTO	Yes
Android 4.4*(beta)	Yes
Install	Auto
Type	Firmware/Driver
Initial setup time	Under 15min
Interactivity	Using Stylus or Finger
Laser curtain uniformity	Uniform
Touch points	255 (System configuration dependent)
Size of unit	Small
Finger touch	YES
Touch Alignment Method	Automatic as well as Manual
Auto-calibration	YES
Data Refresh Rate	Upto 195 million dots/sec
Tracking speed	60-70 FPS (extrapolated upto 200 FPS)
Detection	IR/Optical tracking
Surface Flatness	Support <5mm

## IntelliSpace Interactive Software

Multi-touch software suite (supports 255 touches simultaneously) - Supports Gesture Recognition like zoom, pan, tilt, flicks and so on - Native handwriting recognition, Shape-recognition up to six-sided figures - "Cloud Access" in IWB Application, content can be accessed for free on any topic in the world - Multiple formats of presentations, documents, images & videos can be imported, annotated & explained - Super Compressed recording (1 hour class room lecture Recording with approx. 80 MB file size only) - Full support for MS Office files like handwriting recognition in Word, Excel and PowerPoint - Extensive Resource Library with relevant content - Geometric Tools like protractor, compass, ruler etc. - Local Language Support like Mandarin, Chinese, Japanese, German, Spanish, French etc. - Native Support for classroom camera solution (any USB camera or webcam or Laptop could be used as document camera with the same software)

Note: All the above features are available in Windows platform. For other OS platforms all the mentioned features may not be available.

## Stylus (Optional)

Dimension	134 mm (length); 16 mm (diameter)
Weight	Under 30 gm
Power Demand	Super-Capacitive technology, 3 minutes charging time through USB
Colour	Black

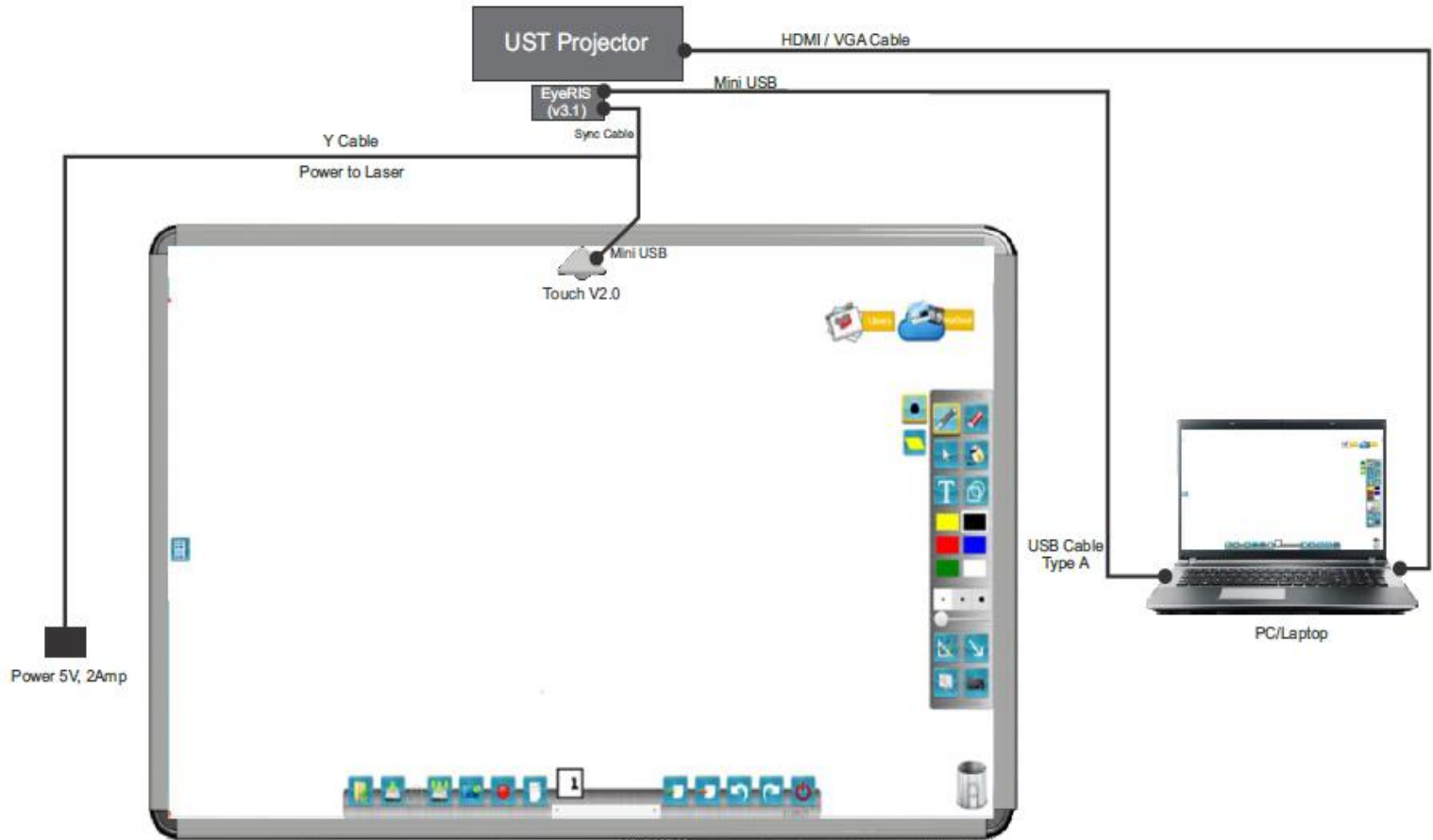


IntelliSpace IWB Suite with thousands of Educational Content and FREE 'Cloud-Content' Access





# Circuit Schematic



Freude an Technik



**CYBERNETYX**

Interaktive Whiteboards | Touchscreen Systeme