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## 2 Requirements for RIPPLE setup

### 2.1 Minimum Hardware Requirements:

To setup RIPPLE, the minimum hardware requirements are as follows:

- 2 digital overhead projectors (OHP) of minimum 5K lumens intensity
- 1 PC/laptop, running Windows 8, with minimum 2.1 GHz processor, 16 GB RAM, atleast 2GB Graphic Card. PC/Laptop should have atleast *one VGA Port and one Display Port*.
- One Display to VGA Convertor
- 1 Kinect sensor for Windows
- Good speaker system connectible to PC system
- RFID Card Reader. Also, one USB/USB (Type A male/female) cable for connecting RFID Card reader to the workstation. Length of the cable to be decided as per the environment settings.

### 2.2 Minimum Space Requirements:

In order to setup RIPPLE, the ideal space requirements are as follows:

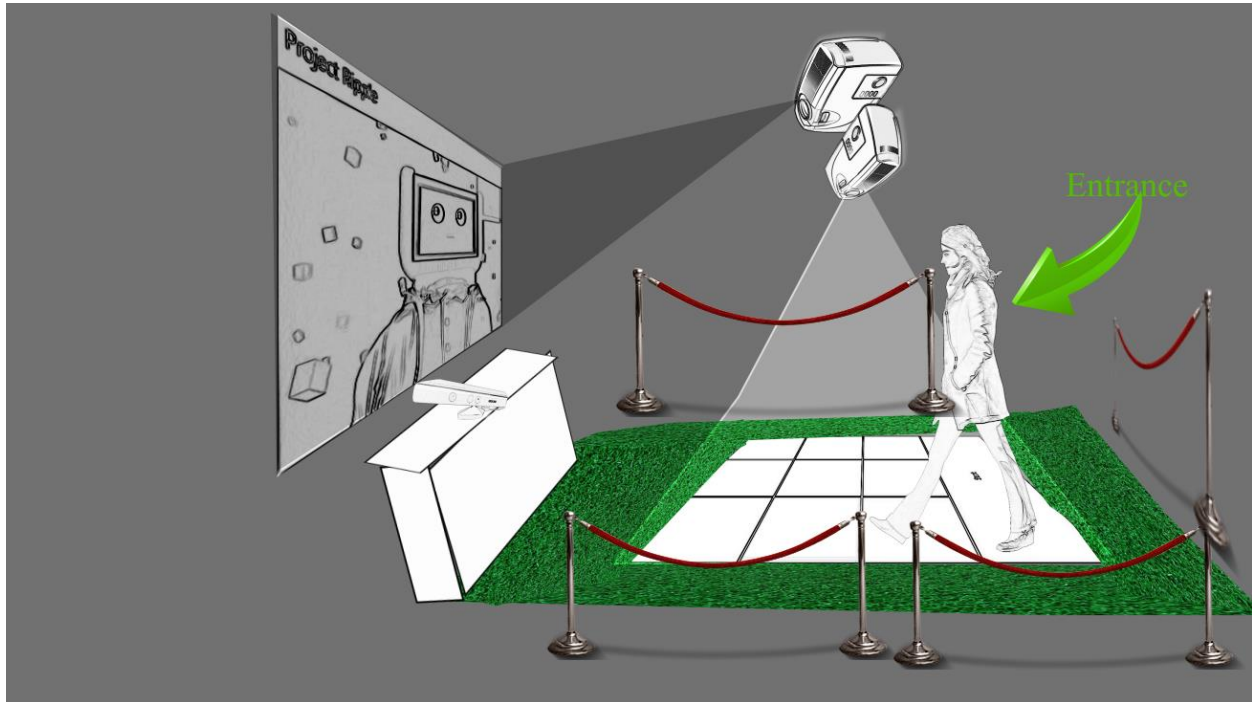
- The dimension of the room should be **16 ft** (length) X **12 ft** (width) or more.
- There must be provision of 2 ceiling mounts with required connectivity setup, for projectors.
- White floor surface for floor projection.
- Plain white wall/glass/screen for wall projection.
- Height for floor projector must support the minimum projection dimension of **8.5 ft** (length) X **5 ft** (width).
- Provision should be made for Kinect to be fixed at minimum 3 ft height from the floor at front wall.

### 2.3 Other Recommendations:

- Setup should preferably done in a dim lit area/room.
- Concealed/internal wiring for connectivity.
- It's recommended to have white flex surface for floor projection.
- Screen/FPTV should have minimum **3.5 ft** distance above floor, to facilitate Kinect sensor in front.
- RFID card reader for access control, if required.
- Intensity requirement for digital OHP depends on the dimension and luminosity of the room. The recommendations is to go for as higher intensity than 4.5K lumens as possible for better results.

## 2.4 Typical RIPPLE Setup:

Shown below is a typical RIPPLE setup using projection screen for front wall projection, while the wall projector is behind the screen.



### 3 Installation process

Follow the below steps to install RIPPLE in your premises.

- Please make sure that the required hardware is installed.
- Please ensure that the connectivity between workstation, projectors, Kinect and speaker systems has been setup.
- Install the RIPPLE software on the workstation. Customize content using Ripple Editor and ensure that your required content is available in Assets Folder.
- Launch the RIPPLE software after installation is complete.
- Select the "Calibrate" option to start the calibration process.
- Follow the step by step instructions to finish the calibration process.
- Your RIPPLE system is now ready to use.