Camera Height

One MigmaWalktime™ unit comprises of one single board computer（SBC） and two stereo cameras. The SBC needs to be placed inside a cabinet. The two stereo cameras should be mounted to the existing signal poles or pedestals at a desired height above the ground, typically 15 - 20 ft.

Camera Alignment

For the stereo camera to work properly, it must be leveled. If the signal pole the camera is mounted to is vertical, Migma ’s mounting bracket is sufficient for the camera alignment. Otherwise, please use a ball-type mounting bracket and place a bubble level on top of stereo camera to measure the camera alignment.

Camera Wiring

Unscrew the waterproof Ethernet connector at the back of the stereo camera, carefully push the Cat5e cable through the connector, and then crimp the RJ45 connector to the Cat5e cable. Now screw back the connector and tighten it.

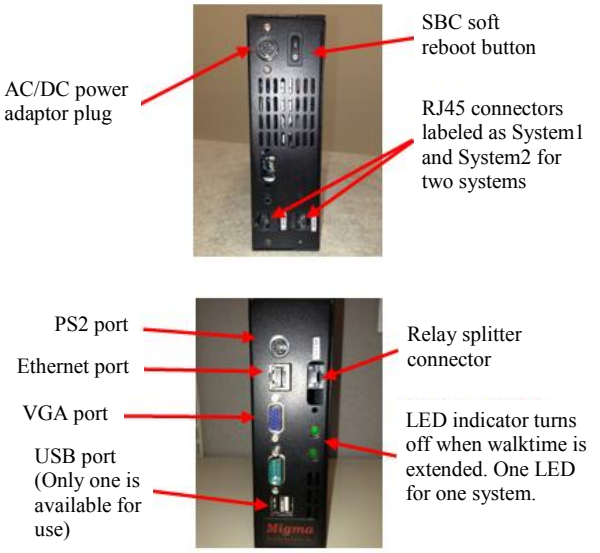
Mount the cameras on the signal poles. Mark the Cat5e cable connected to each camera as “System 1” or “System 2”. At the back of SBC, there are two RJ45 connectors. Connect Cat5e cable marked as “System 1” to RJ45 connector labeled as “System 1”. Similarly connect Cat5e cable marked as “System 2” to the connector labeled as “System 2”.

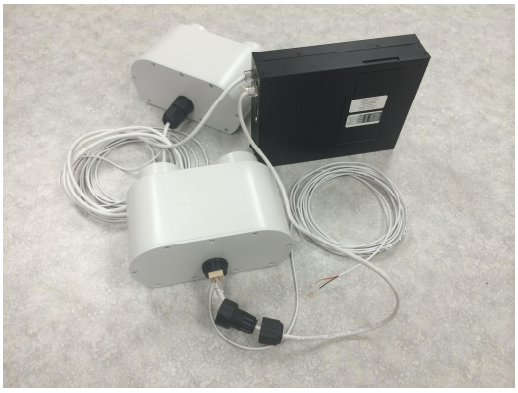
Camera Mounting

Attach the mounting bracket to the signal pole, and use two banding strips to tie the mounting bracket to the signal pole. Put camera on the bracket, adjust its view and tighten it completely.

Power for Cameras

The stereo cameras are powered by SBC over Cat5e cable（PoE）.

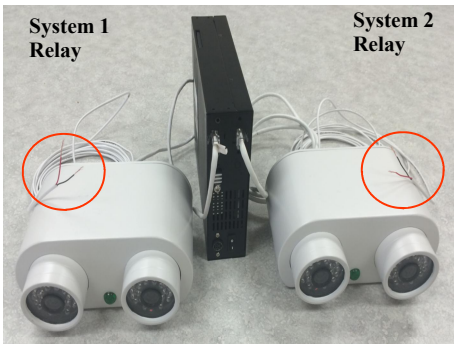




Relay Connections for MigmaWalktime™

Connection for Pushbuttons

Each camera has a relay cable. Please use this relay cable to connect to the pushbutton （regular or APS pushbutton ） at one side of crosswalk.



System 1 （one side of crosswalk ）

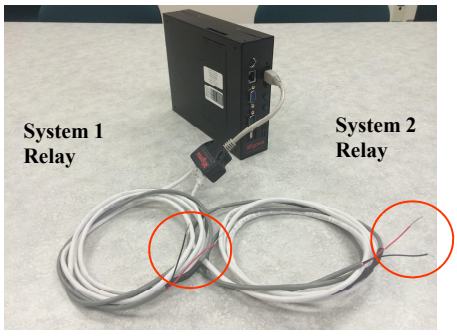
Red wire ⟶ Ped call terminal
Black wire ⟶ Ped call terminal

System 2 （the other side of crosswalk ）

Red wire ⟶ Ped call terminal
Black wire ⟶ Ped call terminal

Connection for Walktime Extension

Connect Migma Ethernet splitter to the RJ45 connector located at the front of SBC and labeled as Relay. Plug two relay cables marked as System 1 and System 2 to the splitter. System 1 is associated with System 1 camera mounted to one side of a crosswalk. System 2 is associated with the System 2 camera at the other side of the crosswalk.



System 1 （one side of crosswalk ）

Red wire ⟶ Controller terminal block
Black wire ⟶ Controller terminal block

System 2 （the other side of crosswalk ）

Red wire ⟶ Controller terminal block
Black wire ⟶ Controller terminal block