MARVELL MIST HOME AUTOMATION

DATE 01/03/2019

SHIELD

MARVELL MIST

Control your home from anywhere in the world through a single secured tunnel connected to your home

MARVELL MIST

Powered By Internet Of Things™

Product Lines – Software

Product suite is a mix of MarvellMist products & the products imported from other vendors.

Home Gateway

Home gateway connecting to all the sensors, devices and cameras present at home. Does the initial processing and local automation & control and passes the processed data to cloud

AWS Hosted Smart Home Cloud

All data being processed in cloud for long term trending, analytics and machine learning. Also the remote users control their home through this cloud.

End User Interfaces

Remotes, Mobile App, Voice Assistants & Smart AI Mirror – comes in multiple form.

Product Lines – Hardware

Product suite is a mix of MarvellMist products & the products imported from other vendors.

Sensors

Door, Smoke, Water, Motion, Temperature, CO, CO2, Gas

Surveillance Camera

Indoor & Outdoor 1080p wireless IP cameras with cloud recording

Smart Appliances

All appliances at home, controlled by electric switch & plug points – can be digitally controlled

SOS

SOS during emergency and also direct calls video calls from camera or MM
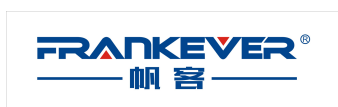
Video Door Bell

Talk to some body pressing bell at your door before opening or when you are not at home

Remote Door Lock

Convert your locks to digital locks that can be unlocked from any where

SOLUTION ECHO SYSTEM

works with the Google Assistant

BroadLink

openHAB
empowering the smart home

DIGOO

FRANKEVER

amazon web services

OREVA

WORKS WITH alexa

SMART HOME CONTROL
FOR ALL AGE GROUPS

Smart Mirror Dashboard

Mobile APP

Your Google Assistant, always ready to help.

Voice Assistant

Remote & Traditional
Switching for old age

Universal WIFI/RF/IR Remote Controller with wall mounting kit and 2 Pin USB adapter

- o Support all IR controlled devices such as TV, Air condition, Set Top Box etc.
- o RF Operating frequency is 433MHz and 315MHz. Support WIFI 2.4GHz b/g/n.
- o Controls any RF device operating in 433/315 MHZ frequency with 50-70 meters range.

Door Sensor

S2 Hub

Key Fob Remote

Motion Sensor

Smart Wireless Key Fob Remote

The key fob remote simplifies the control of your smart home, allowing you to "Fully-arm", "Partially-arm" and "Disarm" quickly, as well as call "SOS" in an emergency.

Full-Arm
Activate all sensors

Disarm

Part-Arm
Activate selected sensors

SOS

Hitch Ring
Designed for hanging on key rings

Device name: Fob Key Remote
Power input: 3V battery (1 x CR2032) (NOT INCLUDED)
RF frequency: 433.92MHz
Operating humidity: ≤85%
Operating temperature: 0℃-50℃
Operating consumption: ≤15mA
Standby consumption: ≤1uA
RF range: 30m (line-of-sight)
*Device dimensions: 58*31*10mm*
Indication: Hold and button for 1s, the LED indicator flashes

The host - HUB

Device name: HUB
Max. connections: 16 sensors
Material: Environmentally friendly ABS
Power input: DC 5V/1A Micro USB
Operating temperature: 0℃-50℃
Operating humidity: ≤85%RH
Standby consumption: <1W
Wi-Fi standard: 2.4GHz 802.11b/g/n
RF sensitivity: -110dB
RF frequency: 433.92MHz
*Device dimensions: 100*100*28mm*

Device name: Motion sensor
Power input: 3V battery (2 x AAA)
Detection range: ≤12m@25℃ (typical)
Operating humidity: ≤85%
Operating temperature: 0℃-50℃
Operating consumption: ≤15mA
Standby consumption: ≤15uA
RF range: 30m (line-of-sight)
Effective angle: 90°
RF frequency: 433.92MHz
Installation height: 2.2 – 2.7m
*Device dimensions: 50*77*19mm*

433MHz Motion Sensor

Device name: Door sensor
Power input: 3V battery (2 x AAA) (NO INCLUDED)
Auto-report: Synchronize with hub every 60 mins with status
Operating humidity: ≤85%
Operating temperature: 0℃-50℃
Operating consumption: ≤15mA
Standby consumption: ≤9uA
RF range: 30m (line-of-sight)
Supported alerts: Burglary, tampering, low battery
RF frequency: 433.92MHz
*Device dimensions: 50*77*19mm*

The Host-Hub | 433MHz Motion Sensor | 433MHz Door Sensor | 433MHz Key Fob Remote

Built-in Multiple Sensors

Noise

VOC — Volatile Organic Compounds

Expandable sensors...

Temperature

Formaldehyde*

Humidity

PIR*

Illumination

PM — PM2.5*

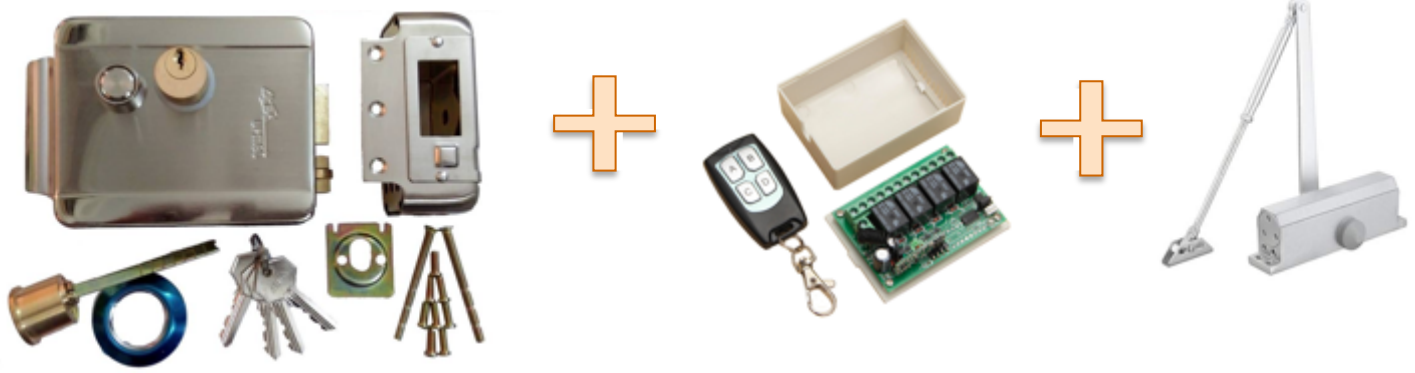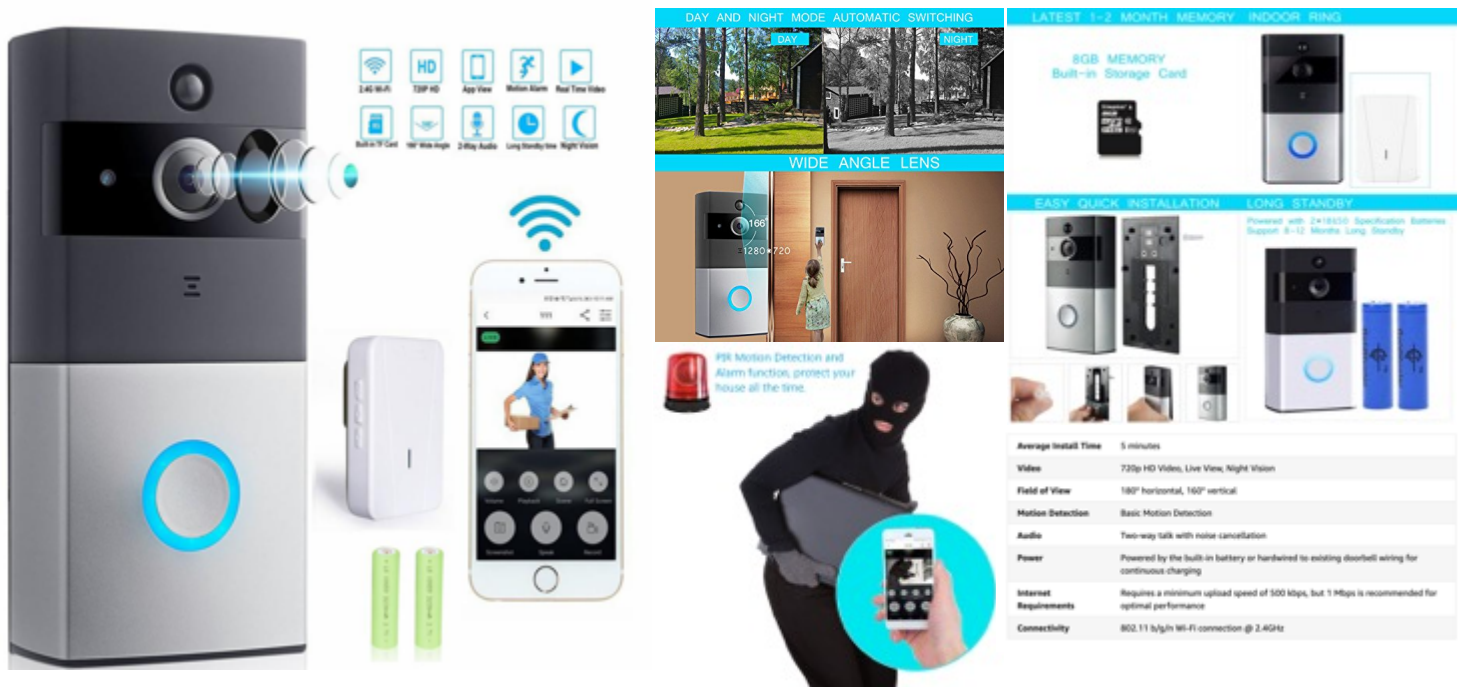* Coming soon

Find Problem ▷

Trigger Actions ▷

Improve Environment

O₂

Environmental Sensor

- o Can detect the environment indexes, including VOC, voice, light, humidity, temperature, noise etc.
- o Adding other detectors: Other elements of detection will be added in the future through external plug-in.
- o Controls your device on your smartphone when you are away from home, protect your family's health
- o Compact size and elegant design, a modern decoration in your home.

Video Door Bell + Smart Lock

- Video doorbell allows to talk while seeing the person in front of the door from any remote location.
- Any unwanted motion is detected and notified with photos captured.
- 720P video clarity with 165 degree viewing angle and supports night vision as well.
- Local and cloud storage of clips and videos.
- Electronic lock controlled through RF controller allows to unlock the door from any part of the world, for your friends, relatives or to receive a parcel from the courier person.
- Door locks automatically by the auto lock hinge.
- Lock comes with physical keys as well – that helps during emergency or elderly people.
- So the electronic lock can be opened either through the KEY or REMOTE or Mobile APP or Voice command using Google Voice Assistant or ALEXA.

HD Wifi Camera

The smart, simple way to secure your home.

- amazon alexa
- Google Home
- Google play
- App Store

720P

Indoor Surveilance Camera

| 720P HD pixels | WiFi Network | Two-way audio | REC Recording Video recording | PIR Detect PIR detection | Alarm |

720P
HD Resolution Video at up to 30fps

Wi-Fi
Smart link Wifi setup, No need network cable

Day & Night
Know what's happening 24/7

Motion Detection
Be notified or record when there's activity

Up to 128GB
Save video & HD images to Memory Card (MMC Not included)

Smartphone, Tablet & Computer
View, manage & share on the move

Two Way Audio
Listen in & Speak to visitors with two way audio

Remote Pan & Tilt
Move camera up, down, left & right

① IR night vision
④ Built-in Microphone
⑦ DC Power Port
② 200W HD lens
⑤ Network port
⑧ Wireless receiving
③ Infrared lamp
⑥ TF Card

Outdoor Surveilance Camera

DIGOO DG-XME
Network Video Recorder
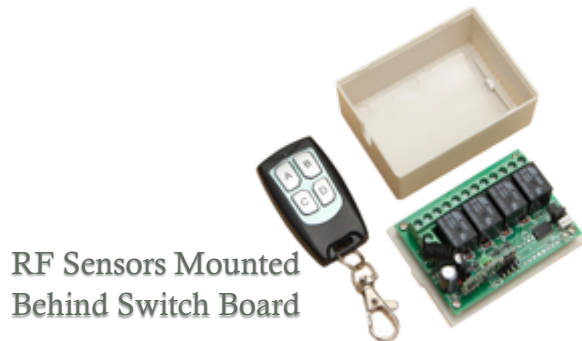
HD 8 CH 1080P 12CH 960P

Indoor & Outdoor Surveillance Camera

- o All models are WIFI IP Camera, requires power cable to stay ON.
- o Models include 720p to 1080p clarity and some are static and some are 360 degree rotatable.
- o Some indoor cameras support 2 way talking.
- o Cameras have inbuilt motion sensors that detects motion and records if enabled.
- o Internal camera storage up to 128GB.
- o For more recording storage the network recorder can be used which can take any capacity internal hard drive up to 4 to 6TBs.
- o Cloud storage is also an option if user does not want to store locally and get it stored in cloud, so that all history of recorded clip is accessible anytime from anywhere from the mobile app.

ELECTRICAL APPLIANCES CONTROL

o   MM Shield RF control goes behind the switch board along with the power supply driver and a parallel connection is made for the points that user want to control remotely from app or voice.
o   Now the existing switch board continues to work as a toggle and still be used for switching on/off
o   Maids, Guests or older people at home who are not comfortable with voice or app can continue to use the switch board or remote to control the appliances.
o   Appliances can be anything starting from bulb, fan to washing machine and Freeze.

RF Sensors Mounted
Behind Switch Board

Individual remote for each
switch board & combined
for whole house

o   For high voltage appliances like AC or Geyser WIFI socket is also an option that offers same features including power consumption.
o   Appliances can be scheduled to start at a particular time as well.
o   In case of a power failure the physical switch state will be retained when power comes back.
o   Sensor based lights for bathrooms and corridors which turns on only when there is motion detected
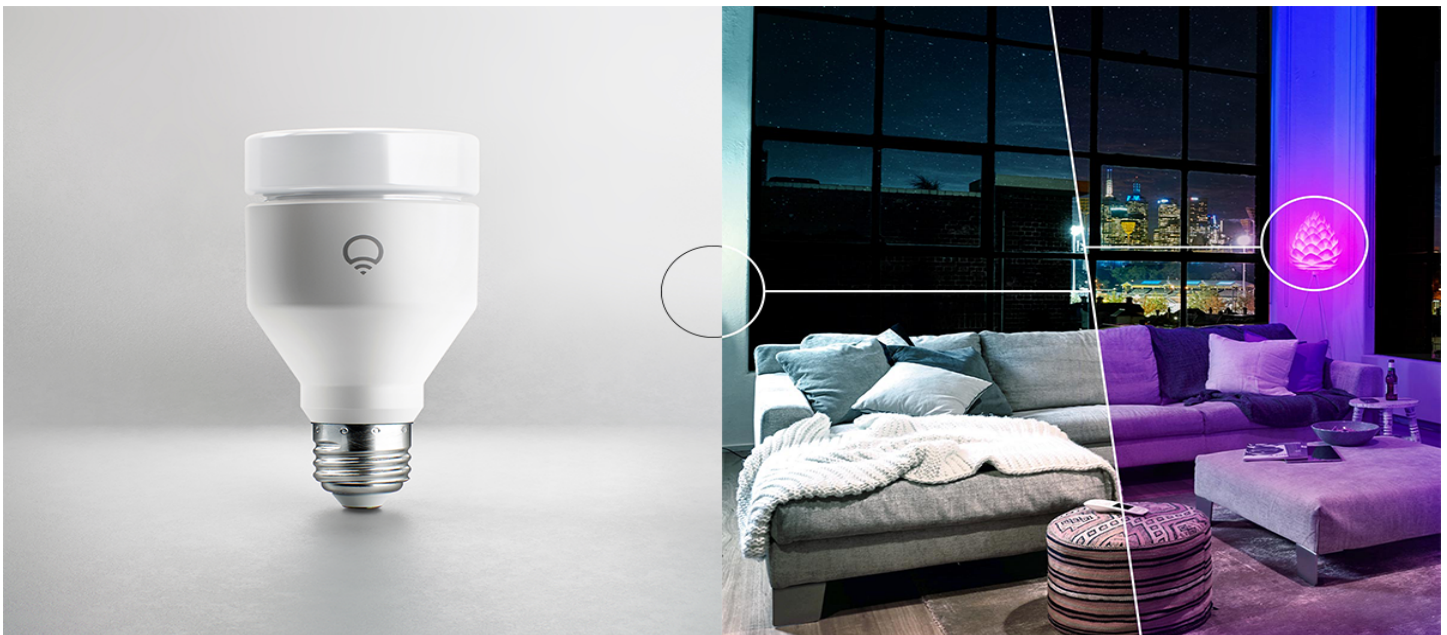o   Wi-Fi Switch is another option meant for new houses or customers looking for board replacement
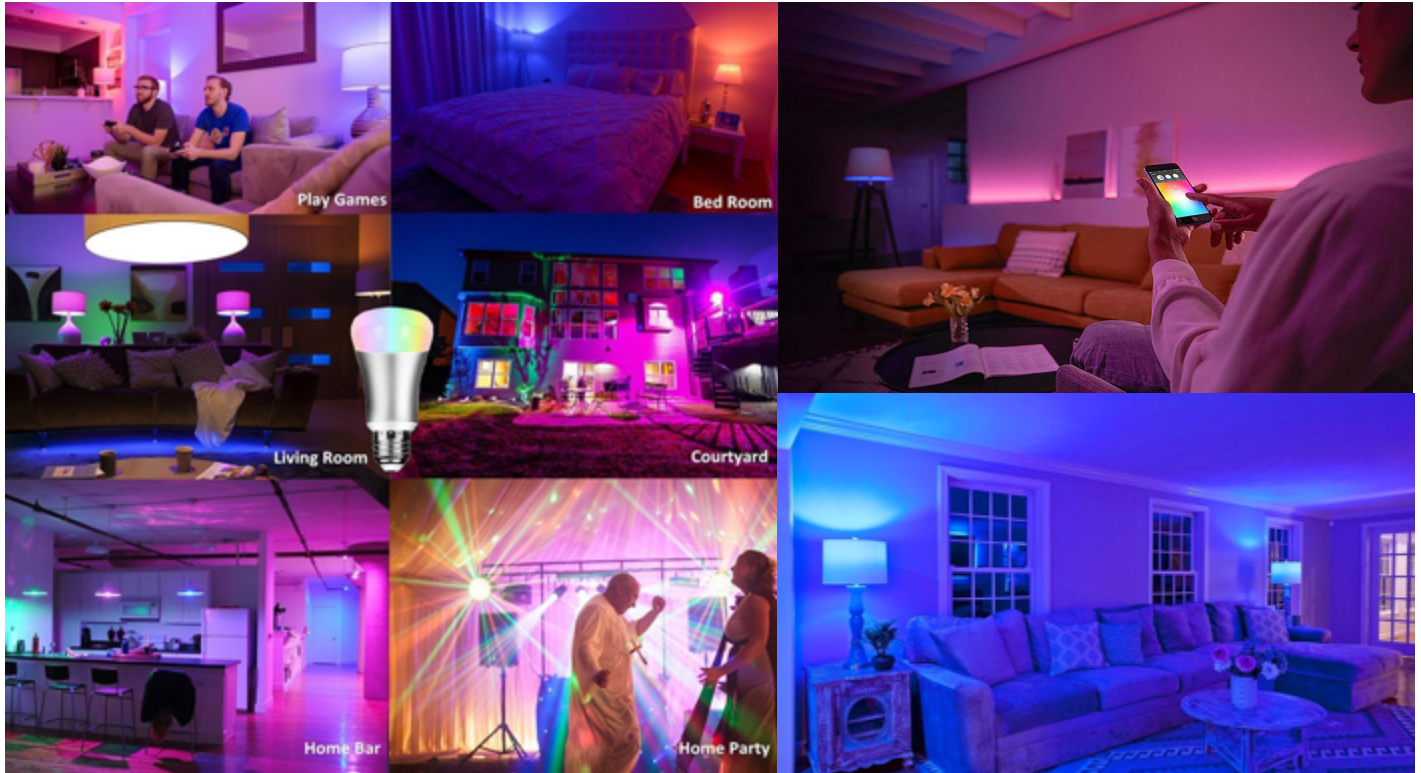
WIFI
Socket

Motion
sensor Bulb

WIFI Touch
Switch

Selective with your needs
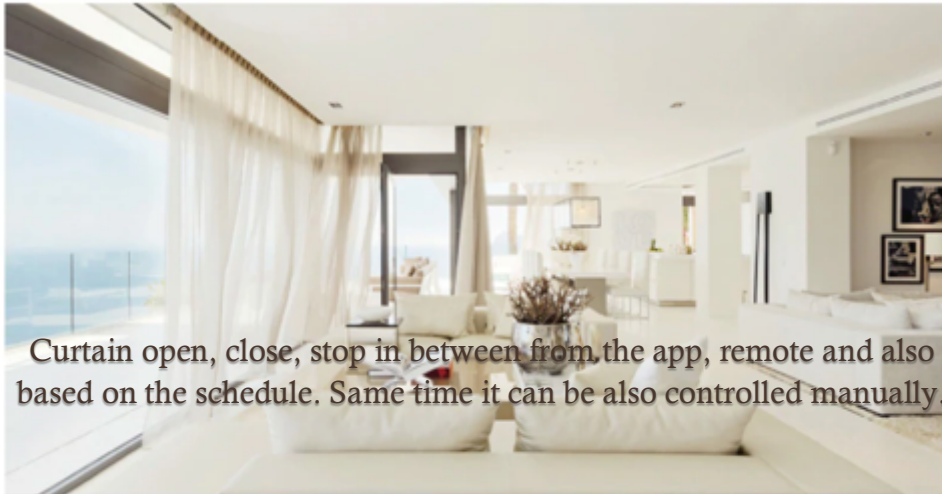
LIGHTING BASED ON MODD

Scenes Timers & Rules

- o **Scenes** are triggers that is a combination of multiple events put together in a sequence.
  Leave Home scene may switch off few lights, brings all the security sensors and cameras to armed mode and ensures all appliances are either switched off or in sleep mode.
- o **Timers** are nothing but schedules that is configured to start automatically at certain point of time.
  Morning 7 AM should trigger Alexa to start a voice alarm followed by your favorite song, geysers switched on, oven and juice makers start to prepare your breakfast and water sprinkler starts to water your garden.
- o **Rules** are If This Then That (IFTTT) which triggers a sequence of events based on occurrence of a particular event.
  If there is a motion sensor detected between 12PM & 5AM in the night from the external camera, switch on the outside flood lights, start music in the hall, switch on hall light & start recording the video feed.

BRINGING COMPLETENESS To
SMART HOME AUTOMATION

Electornic Motorized Curtain

Curtain open, close, stop in between from the app, remote and also based on the schedule. Same time it can be also controlled manually.

Voice & App based Media Control

Complete media control including the channels, online media etc from the app, remote and voice assistants. Automatic chanhge of room ligting, temperature & humidity based on mood & scenes

App Controlled or Scheduled Water Sprinkler

Gates can open and close based on owners arrival through app or remote

AUTOMATIC
Gates & Doors

SHIELD

MARVELL MIST