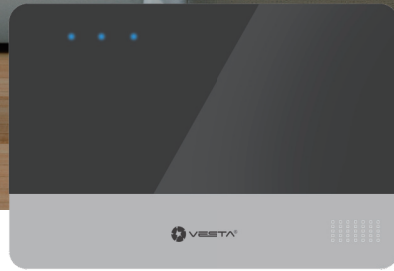# VESTA®

Now Compatible With

amazon alexa

Vesta Smart Security Solution - MZ Series

A new generation of MZ control panel series is an integrated and comprehensive system that manages safety, security and home environments together under one unit. Unlike traditional alarm system, MZ series not only serves as an intrusion alarm system, but also assists you to manage your home in a more convenient way. With advanced alarm communication features and outstanding compatibilities- home automation, visual verification, smart energy saving function, and lighting control, new MZ series brings a complete and cost-effective smart home solution for you to experience a comfortable and convenient life.

MZ series includes MZ-1, MZ-3 and MZ-8 with various reporting paths for you to select from:
MZ-1 is a wireless IP control panel.
MZ-3 is a wireless GSM/GPRS control panel.
MZ-8 is a wireless control panel in dual path of IP/GSM.

Flexible Home Security Solution

MZ series works with a variety of sensors up to 40 to protect your family and properties. Sensor connected MZ series can be flexibly set to different attributes and further inform you on a precise type of alarm. The 40-zone control panel series offers extreme convenience and flexibility of alarm reporting methods, such as CID/SIA reporting, SMS reporting or alarm image reporting. Depending on application needs, users can select an appropriate reporting method for timely alarm notification.

Total Visual Monitoring Solution

Working with PIR video cameras, PIR cameras, and IP cameras, MZ Series is able to deliver Total Visual Monitoring Solution, consisting of visual verification during an alarm and real-time visual monitoring. When an alarm is triggered, a 10-second video clip/3 alarm images captured by PIR video cameras/PIR cameras will be sent to users and the CMS. IP Camera will also record a 40-sec alarm clip covering 30-sec pre-alarm and 10 sec post-alarm periods during an alarm. Immediate visual reports allow users and the CMS to visually verify whether the alarm is real or false.
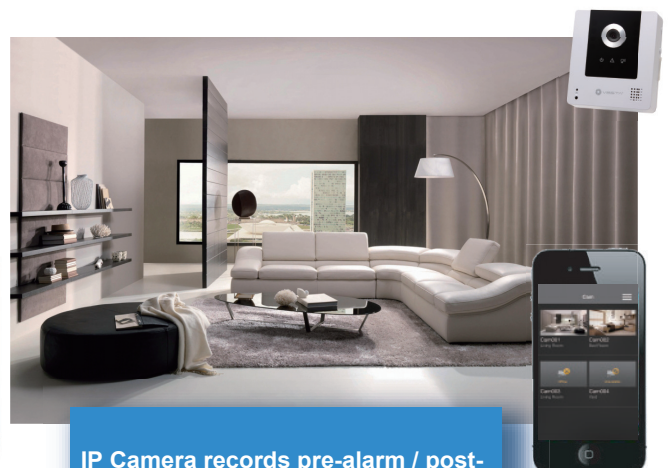
Integrated with Home Portal Server, IP cameras allow users to conduct real-time monitoring of their home and loved ones via smartphones or personal computers anywhere, anytime. PIR video cameras and PIR cameras also offer remote look-in feature that allows users to request a photo or a video clip to be sent to their smartphones. These remote monitoring capabilities allow users to always stay connected with what's most important in life.

World-Leading 2-Km RF Range and Superb Reliability

The MZ system is one of the F1 Security@2km Series' control panels delivering record-breaking 2-km communication range and superb reliability. Its extensive RF coverage allows the installer to set up the alarm system on large or complicated premises with great flexibility. The MZ Series is compatible with the F1 Series of accessories that feature long RF range.

PIR video camera/PIR camera for motion detection and capturing 10-second video clip/ 3 alarm images whenever an alarm is triggered

IP Camera records pre-alarm / post-alarm video clip and provides real time visual streaming for monitoring

Smart Home Control: Choice of Home Portal™ Server or Vesta EZ Home App

Home Portal™ Server

Home Portal™ Server is a platform to deliver smart home services for users to remotely control their home via a web-based browser or smart phone applications. Home Portal™ Server enables users to connect a home gateway to enjoy convenient services, including security control, alarm event notification, home control, energy management and visual verification remotely.

Vesta EZ Home App

Rather than connecting Home Portal™ Server to enjoy remote smart home services, users have another choice of using Vesta EZ Home App to control their home via SMS protocol. It greatly saves the installer's effort and cost on server setup and maintenance, but still satisfies users' needs for smart home control.

Compatible with ZigBee Information Keypad KP-29ZBS/ KPT-29ZBS

MZ series can work with ZigBee information keypad KP-29ZBS/ KPT-29ZBS to simplify the operation of security system by one touch on the touchpad or swiping a proximity tag or NFC tag near the keypad. The LCD display shows information for you to understand the workings of your security system. You can install your control panel installed in a more secure place without exposing it to any intrusion attempts.
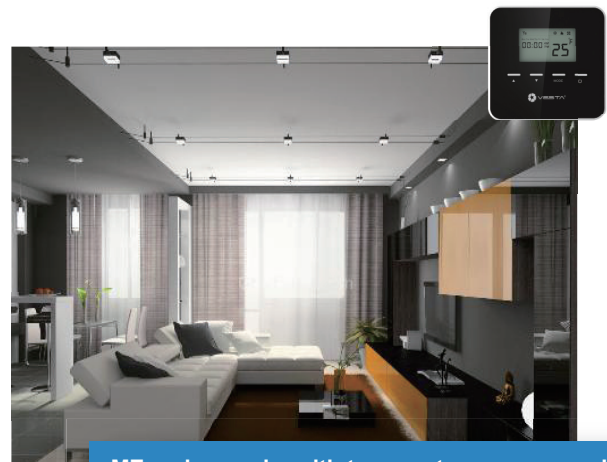
ZigBee Enabled Home Automation and Energy Management

Home Automation allows homeowners to gain a centralized control over household appliances, lighting system, and digital door locks for enhanced security, comfort, and energy efficiency. MZ series panels adopt ZigBee Home Automation 1.2 profile and are compatible with all ZigBee sensors and accessories such as Power Metering Switch, Power Switch, and Dimmer Switch…etc. from other manufacturers under this profile to perform home automation and energy monitoring functions. Various home automation rules and conditions can be controlled and activated according to your needs or preferences. Moreover, MZ series works with temperature sensor/room sensor to operate home appliances through temperature control. Heater and air conditioner will be turned on/off automatically when temperature reaches or drops below a pre-set value. This extended service will guarantee to reduce your energy bills while making your home comfortable.

Adopting ZigBee HA 1.2 profile, MZ series is compatible with all ZigBee accessories produced by other manufacturers

MZ series works with temperature sensor and room sensor to operate home appliances through temperature control

Compatible with Digital Door Locks

MZ series allows Yale* locks to be incorporated into the system for enhanced convenience and security. Users can easily lock or unlock their doors with a simple touch on smartphones so there is no need to fumble through pockets or purse for keys.

*Yale is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company. Image courtesy of Yale Security Inc.

Compatibility with Amazon Echo

The MZ series are compatible with Amazon Echo and Echo Dot products allowing users to use Amazon Alexa voice control to arm and disarm their security system using a secure PIN. Users will also be able to voice-control interact with other MZ series' compatible devices like thermostats, lights, and smart locks.

Wall-Mount and Desktop Case Designs

Two elegant designs of wall-mount (W version) and desktop (DT version) styles are availbel for choices.

DT version   W Version

MZ Series Models Comparison

Model/Features	MZ-1	MZ-3	MZ-8
Report Network	IP	GSM/GPRS	IP+GSM/GPRS
Wireless Zone	50	50	50
Wired Zone	No	No	No
SMS Programming	No	Yes	Yes
Web Programming	Yes	No	Yes
Voice Reporting/Recording	No	No	No
RF Device Support	Yes	Yes	Yes
ZigBee Device Support	Yes	Yes	Yes
PIR Video Camera/PIR Camera Compatible	Yes	Yes	Yes
IP Camera Compatible	Yes	Yes	Yes
Power Switch/ Power Metering Switch Compatible	Yes	Yes	Yes
Dimmer Switch Compatible	Yes	Yes	Yes
Home Automation	Yes	Yes	Yes
Home Portal Server	Yes	Yes	Yes
EZ Home App	No	Yes	Yes
Event Logs	250	250	250

Features:

• Supports up to 40 zones, including RF and ZigBee devices

• Alarm event reporting:

Alarm Reporting Type	MZ-1	MZ-3	MZ-8
DTMF CID Reporting	-	GSM	GSM
Modified CID/ SIA Reporting over TCP/IP	Ethernet	GPRS	Ethernet or GPRS
SMS Alarm Reporting	-	GSM	GSM
Alarm Video/Image Reporting	Email/ FTP over Ethernet	MMS/ Email/ FTP over GSM/GPRS	MMS/ Email/ FTP over Ethernet or GSM/ GPRS

• World-leading 2-km communication range and superb reliability

• Compatible with the F1 Series of accessories featuring long RF range

• Remote Web, App and SMS programming and firmware update features for easy programming and maintenance

• Access rights for Web programming are defined up to 3 levels of user, installer and technician access

• Works with IP cameras, PIR cameras, PIR video cameras for visual verification and real-time monitoring (up to 6 IP cameras and 6 PIR cameraz/PIR video cameraz can be added)

• Advanced Image wireless link:
- 2-Way supervised radio network, Supervision every 30 minutes
- AES encryption key
- 2.4GHz DSSS (Direct-Sequence Spread Spectrum)

• ZigBee enabled home automation and energy management functions to enhance lifestyle, safety, and energy efficiencyd needs

• Supports power metering switch and power dimmer switch

• Compatible with Home Portal™ Server via XMPP protocol or Vesta EZ Home App via SMS protocol

• Built-in siren

• Certified to EN 50131 Grade2, ClassⅡ

Specifications:

• GSM quad band 900/1800/850/1900 MHz (MZ-3/ MZ-8 only)
 3G frequency bands: 2100/1900/1800/1700/850/800/2600/900 MHz (MZ-3/ MZ-8 only)
 (3G bands vary depending on regions/countries)

• ZigBee communication protocol: ZigBee HA 1.2 profile

• Power supply: 12V 1A or 9V 1A switching power adapter (depending on the MZ models)

• Battery backup: 4 or 6 NiMH rechargeable batteries (depending on the MZ models)

• Battery backup time: 16~26 hrs (battery backup time varies depending on the MZ models)

• Alarm Output: 95db @ 1M

• Frequencies available: 433 MHz/868 MHz (other frequencies available upon request)

• Range: 433 MHz/868 MHz: Over 2 km in open space

• Temperature Range: -10° to +45°C

• Humidity: up to 85% non-condensing

• Dimensions: 260 X 176 X 30 mm (W version)
           135 X 169 X 27 mm (DT version)

Note: Actual battery life may vary with settings, conditions, operating environment and usage.

Climax Technology Co., Ltd.
Website: http://www.climax.com.tw
Email: sales@climax.com.tw