The Multitek Range

OVER 35 YEARS EXPERIENCE...
Established in 1980, we have a proven track record as manufacturer of affordable, durable and standards compliant telecommunications products.

Dallas Delta Corporation

is an established and respected provider of specialist communications equipment.

We design and manufacture our own products in Melbourne and have many thousands of satisfied customers within Australia and internationally.

To expand our extensive range of equipment we have partnered with **Multitek** to offer customers a unique range of doorstation / intercoms. (Imported from Turkey)

Our aim is to supply customers with a quality product and great service for the life of their product. We believe in a good customer relationship which gives our clients the support they need in order to establish and build their business.

Key Benefits

Competence – We have a proven track record of exceeding customer expectations and manufacturing products that last in the field under extreme conditions.

Capability – We design and manufacture all Dallas Delta branded products in-house.

Standards Compliant – We ensure our products conform to the required standard of each project and reglatory body.

Low Total Cost of Ownership – Our products are reliable and have a high MTBF rating. With our vandal resistant panel designs and our weather resistant enclosures to protect the mechanical components, our products have been proven reliable and time tested since our establishment in 1980.

Assurance of Supply – We manufacture our own products and have the necessary infrastructure to design and produce our PCB's using our own pick and place machines and testing equipment.

Competitive Prices – Our purchase prices compare very favourably and when combined with the long-term reliability and serviceability of our units the total cost of ownership is substantially lower than our competitors.

Responsive – We work closely with our clients to deliver our products and services in a timely manner.

Over 35 Years Experience – We have a proven track record as manufacturer of affordable, durable and standards compliant telecommunications products.

Bespoke Product Design & Development – Our team of design engineers thrive on the challenge of developing custom solutions for our clients.

In-house Manufacturing – We manufacture all our own designs in-house. Our factory boast a full SMD PCB assembly line. This ensures a high level of quality and responsiveness to client needs and if required all our products can be repaired in-house. We service units that are well over 10 years old.

Our **Multitek** products are manufactured in Istanbul Turkey using high capacity Yamaha SMT assembly lines. They meet with Australian and European standards EN60950 for electronics and design.

Fast Turn Around – Since all our design and manufacturing is carried out in-house, we can offer a fast turn around on our products and services.

Quality – Dallas Delta is an ISO 9001:2008 certified company.

E3585

Multitek

Designed to be user-friendly and easy to install, the Multitek range is a plug and play, scalable doorstation & intercom system.

Multitek IP systems require less technical knowledge for the set-up process, so the installation can be easier than the average analogue or bus type intercom systems. Everything is built-in, so there is no need for specialised software, servers, computers or devices to help complete the installation.

The Multitek IP systems are scalable, so if a building has just one room or thousands of rooms, all can be easily connected using CAT5 or CAT6 cables to all equipment.

"A system designed for easy installation, the Multitek range is plug and play"

Using smart phone technologies, the Multitek range can move with the times and take advantage of the latest innovations with apps. New developed features can be adapted and integrated to the devices easily.
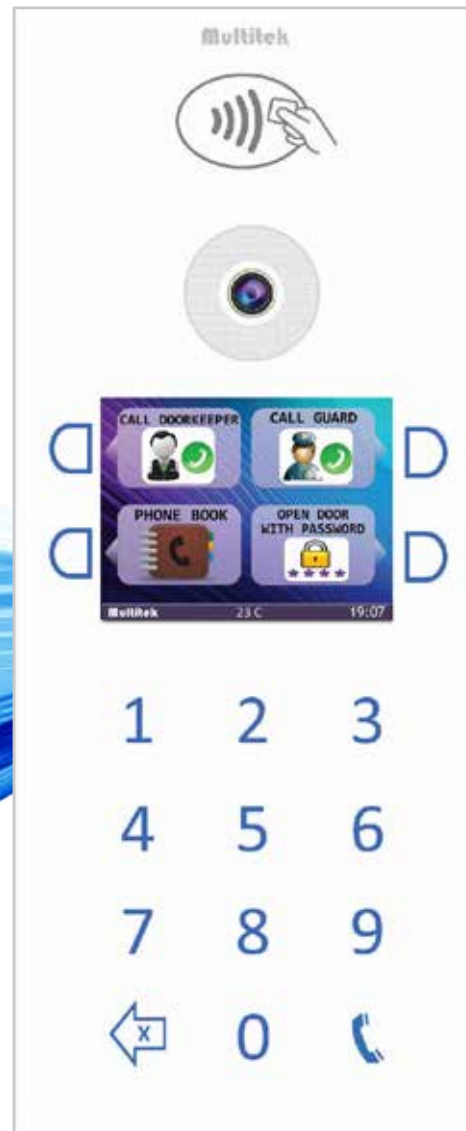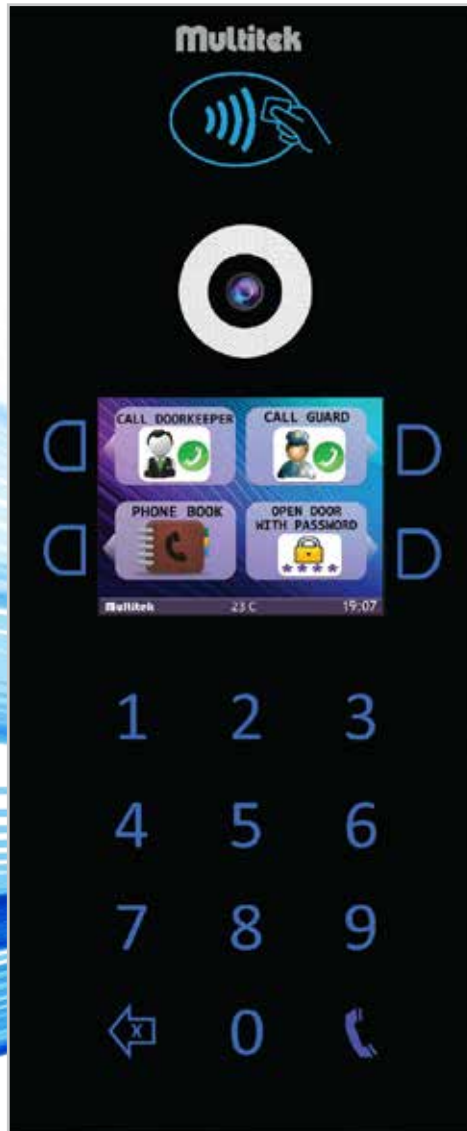
With superior functions and features, the IP Intercom system is a cost effective solution for any building.

FEATURES

- *Video recording of visitors and missed visitors*
- *High a quality display*
- *Video calls up to 799 channels.*
- *Send free and unlimited SMS messages within your building*
- *Doesn't require a video distributor or video amplifier adjustment (like analogue systems)*
- *Smart home connectivity*
- *Building integration options*
- *Connect to external cameras and security systems*

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IP Intercoms
DIP 40S (Black) DIP 40B (White)

State of the art design, the decision can be black or white

DIP40S / DIP40B

Designed for the entrance way or reception area of apartments or office building.

With an easy to use 4" display, at a single touch can call the room, call a guard, navigate a phone book directory and open the door with a password or RFID card.

The 2.0 Mpixel camera surounded with LED's make it easier to view the person using the DIP40 doorstation.

Please note: All Multitek devises must be powered by a Multitek PoE.

IP Intercoms
DIP 40S (Black) DIP 40B (White)

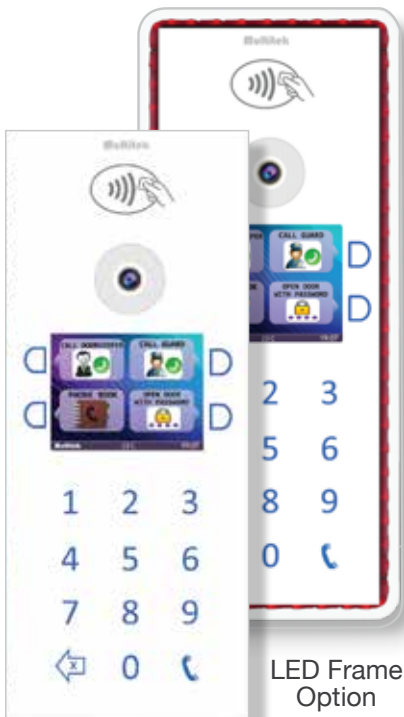LED Frame
Option

LED Frame
Option

DIP 40 IP Intercom System features

- Easy to use 4" LCD display screen & GUI icons
- Single touch dialing
- Phone book directory
- Door release via password or RFID card
- Call the rooms by dialing the room or appartment number
- Main screen of the door panel shows the apartment name, number, time and ambient temperature

Programable features

- Apartment name & number
- Block number
- RFID cards
- Touch buttons and frame colours (7colours)
- Language
- Time release door relay
- Delete all door passwords
- Recording door passwords
- Door panel number and connecting to the network
- Speaker volume

Technical Specifications

Screen: 4"TFT LCD (back light LED)

Resolution: 320x240

Camera: 2 Mpixel CMOS, adjustable angle, night vision, light sensor

CPU Speed: 1.8 GHZ

RAM: 1GB

FLASH: 4GB

Operating System: Android

Transmission: TC/IP

Connection Protocol: SIP

Voice Codec: G.711

Video Codec: H.264

Network connection: Ethernet (PoE)

Voltage: 12-18 VDC (Use only Multitek PoE switch)

Current: 190 mA standby, 250 mA (max)

Door release with a RFID card: Yes

Working temperature: 20c to +55c (-55c with heat pad)

Humidity: 20% to 95% non-condensed

Mounting: Flush mount or wall mount

Colours: Black or White

Frame Lights: Photocell and programmable to 7 colours

Dimensions: 141x369x14mm or 172x403x199mm with the light frame

Multitek

IP Monitors
GUV-VIP 100, VIP 100-STD, VIP 70-STD, VIP 70-Wifi, VIP 70 Alarm and VIP 70-Smart

IP MONITOR SYSTEM

- All features are activated via touch-screen. Long Life screen with fast touch detection and capacitive touch function
- Main screen displays time, date, ambient temperature and other icons with activated features
- Video calls
- One touch video connection to door panels, indoor panel and up to 9 security cameras
- Programable alarm clock
- An Emergency Icon on the main screen is used to call critical numbers (ie. emergency numbers)
- Energy saving / sleep mode
- User friendly GUI (graphical user interface)
- Call any room in the network (building)
- The intercom network works like a telephone exchange, each room can then call each other
- Call reception or doorstation
- Picture capturing on missed calls
- "Do Not Disturb", "Follow-me", "Call forwarding if busy"

- Door monitoring & door communication
- High quality video and sound
- Customised ring tones for each location
- Caller ID displayed prior to answering
- All devices can send and receive SMS messages to anydevice in the network
- Automated recording of pictures of all incoming calls from the door panel(s). (1000 pictures as standard, unlimited with optional SD cards)
- CONCIERGE FEATURE: Giving instructions to external locations from the network eg. calling a cab
- Automated for devices self diagnosis and status control
- Devices may be connected to the network easily in seconds
- Installation and maintenance of the intercom system does not need any special training, equipment or computer software
- System software may be installed or updated by SD card or remotely via the internet

Multitek

IP Monitors

GUV-VIP 100, VIP 100-STD, VIP 70-STD, VIP 70-Wifi, VIP 70 Alarm and VIP 70-Smart

GUV-VIP 100	VIP 100-STD	VIP 70-WiFi / Alarm / Smart	VIP 70-STD

Technical Specifications

Screen	10", 7", 4.3" TFT LCD
Resolution	1024 x 600 (10"), 1024 x 600 (7"), 480 x 272 pixel (4.3")
Back Light	LED
Camera	3.0 Mpixel CMOS (front)
Touch-Screen	Capacitive (VIP43 Resistive)
TFT Card	Ready
CPU Speed	1.8GHz
RAM	1GB
FLASH	4 GB
Operating System	Android
Transmission	TCP/IP
Connection Protocol	SIP
Voice Codec	G.711
Video Codec	H.264
Network connection	Ethernet (PoE) or Wi-Fi (optional) Use Multitek PoE switch only
Voltage	12-l8VDC (PoE)
Current	150mA and 250mA (max)
Working temperature	-20 to +55 C
Humidity	20% - 95% non-condensed
Mounting	Flush or wall mount
Colours	White or Black
Dimensions	GUV-VIPlOO 343 x 230 x l30mm VIP lOO-STD 282 x l88 x 23mm VIP 70-STD 217 x l44 x 22mm VIP 70 - ALARM / SMART / WIFI 216 x l62 x 30mm

Multitek

![DallasDelta Corporation Pty. Ltd.]

GUV-VIP100
Concierge Station or IP Monitor with handset

Designed for the concierge, security guards or managers of a building

It has all features of VIP IOO-STD in addition to the following features:

• Handset or hands-free operation

• Displays missed calls, incoming, outgoing with name and room number

• A inhouse phone directory, dial rooms in the network

• View the caller before anwering a videocall.

• Call diverting to programmed number (s).

Please Note: GUV-VIPIOO device can also used in any rooms that require use of a handset.

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![DallasDelta Corporation Pty. Ltd.]

VIP 100-STD
10" LARGE SCREEN SIZE - IP Monitor

Stylish Design, easy to view 10" display

Access to all VIP 100-STD features via a 10 inch touch-screen display. Using the five finger fast touch detection and long life with capacitive touch screen. The main screen displays time, date, ambient temperature, along with many function icons.

Multitek

VIP 70-STD
7" SCREEN SIZE

Easy utilisation, high quality screen resolution, capacitive touch screen and single touch features.

VIP 70-STD

All the features are activated via touch screen, icon style GUI that displays date time and temperature.

This long life screen has a fast touch detection and capacitive touch function. (1024 x 600 pixels) With sleep & energy saving mode.

Designed with the user experience in mind including functions: calling, phone book, camera view (up to 9 security cameras), contact security/concierge, video calls, emergency call, SMS messaging (between devices), alarm clock.

The intercom in the network works like a telephone exchange and each room can communicate via conference call, video call, direct dialing or SMS.

As an added security the VIP 70-STD automatically takes a picture on a missed call, answered calls can take a picture at the press of a button. (1000 pictures as standard, more with with optional SD card)

The concierge feature can be used to give orders to external locations from the network e.g. Calling a cab, checking the pickup or delivery from a courier.

All devices may be connected to the network easily. The installation and maintenance of the intercom system does not require any special training, device or computer. The System software is installed or updated by SD card or remotely via internet.

VIP 70-WIFI
7" SCREEN SIZE

The docking station becomes a Wi-Fi hotspot, suitible for hard to cable apartments.

VIP 70-WIFI

All the features of the VIP-70 STD, an all in one device that integrates with Intercom, security and smart home systems.

This hand held device enables you to walk around and make & answer calls, call neighbours, guards, reception and control all of your smart home system devices.

The tablet is charged via standard dock or mini USB charging cable.

Battery: 3000 mAh

Wi-Fi: 2.4GHz 802.11b/g/n

Please Note: Alarm and smart home features are the same as standard VIP70-Alarm and VIP70 - Smart devices.

![DallasDelta Corporation Pty. Ltd.]

VIP 70-Alarm & VIP 70-Smart
7" SCREEN SIZE

An all in one device that integrates with security systems and smart home devices

VIP70 ALARM

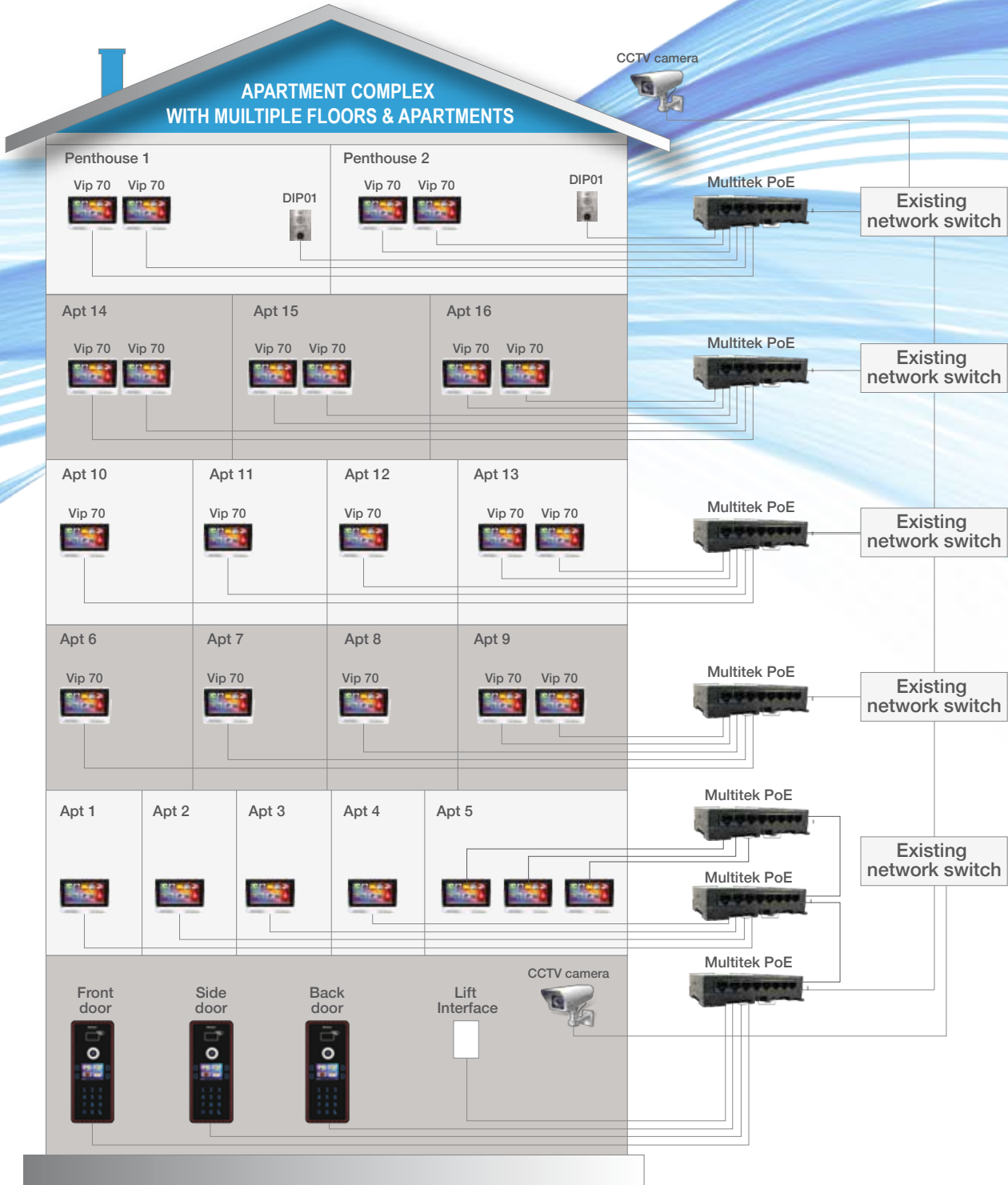Includes all standard VIP70 features and equipped with security features.

• VIP70 device turns into an alarm panel by integration of an alarm card

• Unlimited numbers of wired and wireless detectors may be connected

• Custom programmable 8 different alarm zones

• Alarm function armed or disarmed by touch or remote key

• Alarm information is reported to a security computer in the network or smart phones (android)

VIP70 SMART

Includes standard features and is equiped with smart home features.

• Equipped with a smart home add-on card

• Connect unlimited number of KNX devices to the smart home network. Including power points, HVAC devices, lights, dimmers, blinds. All controlled by the device panel

• Devices can also be controlled by smart phone via app

• Programable automated smart home functions

Multitek

![DallasDelta Corporation Pty. Ltd.]

Apartment complex diagram

**APARTMENT COMPLEX
WITH MUILTIPLE FLOORS & APARTMENTS**

CCTV camera

Penthouse 1
Vip 70   Vip 70   DIP01

Penthouse 2
Vip 70   Vip 70   DIP01

Multitek PoE   Existing network switch

Apt 14   **Apt 15**   **Apt 16**
Vip 70 Vip 70   Vip 70 Vip 70   Vip 70 Vip 70

Multitek PoE   Existing network switch

Apt 10   **Apt 11**   **Apt 12**   **Apt 13**
Vip 70   Vip 70   Vip 70   Vip 70 Vip 70

Multitek PoE   Existing network switch

Apt 6   **Apt 7**   **Apt 8**   **Apt 9**
Vip 70   Vip 70   Vip 70   Vip 70 Vip 70

Multitek PoE   Existing network switch

Apt 1   **Apt 2**   **Apt 3**   **Apt 4**   **Apt 5**

Multitek PoE   Existing network switch

Multitek PoE

Front door   Side door   Back door   Lift Interface   CCTV camera

Multitek PoE

Please note: The cameras are connected to the existing industry standard network switch network, then connected to the IP Intercom network. This enables the apartments to monitor the camera points.

![Multitek logo]

Basic connection diagram

This network diagram consist of four different types of devices:

1 Room Monitor   4 Adaptor
2 Door Panel   5 Guard points
3 PoE switch   6 Camera

These devices are mounted and then connected with CAT6 cable.

The IP system may be extended to any number of rooms by placing required number of PoE switches, regardless of the room and door panel number and the apartment block number.

Door panels, monitors, PoE switches and adapters are mounted to all of the apartments.

If the distance between the apartment blocks is less then 70 meters, the apartments blocks may be connected via CAT6.

For distances more than 70 meters, the apartment blocks may be connected via fibre cable .

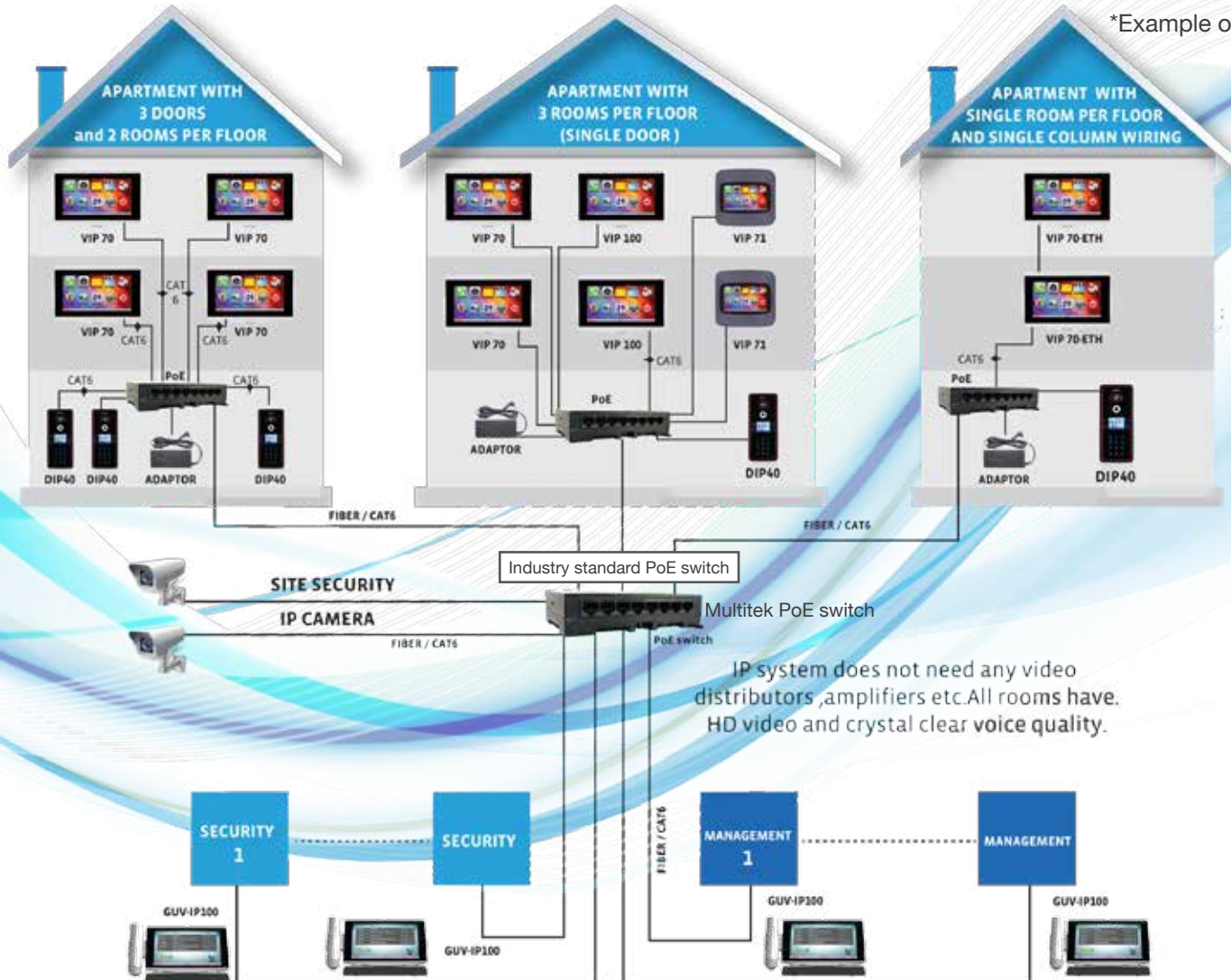The guard points equipped with the GUV-VIP100 guard stations.

If the main entrances of the site have IP cameras they are connected to the intercom network so that the rooms are able to monitor the entrance points during communication.

*Example only

BASIC CONNECTION DIAGRAM FOR AN APARTMENT

CAT6 · CAT6 · CAT6 · CAT6 · CAT6 · 2x0.75 mm²

Multitek POE SWITCH

DIP40   DIP40

ADAPTOR
230v PSV

Please note: Multitek IP systems requires less technical knowledge for the set-up process, so the Installation can be easier than the average analog / bus type intercom systems. Everything is built-in so there is no need for specialised software / servers /computers / devices to help complete the installation.

Basic connection diagram

*Example only

Industry standard PoE switch

Multitek PoE switch

Installation summary

• Specify the required devices for all rooms, doorstations & elevator units

• PoE switches are 8 port

• PS-18E adapters are 12 port

• Red18 adapters are 40 port

• 1 PS-18E adapter is sufficient for 12 devices
• 1 RED18 adapter is sufficient for up to 40 devices

• **Wiring**: Connect every room to the closest Muiltitek PoE switch with CAT6 cable

Please note: The above example is given for a simple IP Intercom network. The number of devices required may vary according to the distance between switches.

Multitek Intercoms / devices can only be powered by Multitek PoE switches.