Audio Visual Security
Product Portfolio

CCTV  Door Entry/Access  Public Address

Edition 2
2012/2013
Welcome to the 2012/2013 AVS Product Portfolio

Exclusively featuring the Facina, Fortessa and Clarus brands, AVS offer quality CCTV, Door Entry and Public Address Equipment all supported by our own technical support helpline service.

Experienced staff are on hand to assist in system design, compatibility questions or just general advice.

Our website is packed with useful technical information including manuals, FAQs and trouble shooting guide. Please visit us at www.audiovisualsecurity.org.uk.

Removable site survey sheets have been included in this portfolio to assist in system design. Feel free to complete and return to us for a competitive specification and one of our technicians will contact you to verify your requirements.
Contents

CCTV
Kits .................................................................4-7
Camera Application Guide .........................8-9
Cameras ..........................................................10-13
Digital Video Recorder Information ..............14
Digital Video Recorders .................................15-16
Ancillary Products ...........................................17-19

Door Entry/Access
Introduction ....................................................20
Audio Entry .....................................................21-22
Video Door Entry ............................................23-24
Wireless Video Door Entry .............................25
Intercoms .........................................................26
Keypads ..........................................................27
Stand Alone Proximity .................................28
PC Based Proximity ........................................29-31
Locks & Releases ..........................................32-33
Exit Buttons .....................................................34
Ancillary Products .........................................35
Power Supplies ..............................................36

Public Address
System Connectivity ......................................37
Speakers .......................................................38-39
Amplifiers ......................................................39
Ancillary Products .........................................40
The Facina range of equipment is straightforward to install, simple to set up & easy to use. From basic entry level observation kits to remotely monitored commercial systems, Facina provides the solution.

**15” CCTV DVR Kits**

**4 x VKFCED**

- Expandable to 8 cameras
- 15” LCD monitor with built-in 1TB HDD DVR
- View live footage using Smart phones (i-phone, blackberry etc)
- 4 x day/night cameras, all cables, connectors & power supplies included
- Easy control via mouse or infra red remote (both supplied)
- View live or recorded footage via H264 compression over the internet (broadband required)
- H264 real time recording for smooth playback footage with minimal space used up on HDD
- Back-up recorded footage using USB storage device (pen drive) or over network/internet
- Powerful recording, motion & schedule configuration per camera

**Technical Specification**

<table>
<thead>
<tr>
<th>DVR</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera Inputs</td>
<td>8 x BNC</td>
<td></td>
</tr>
<tr>
<td>Screen Type</td>
<td>15” LCD c/w 1 x BNC slave monitor output</td>
<td></td>
</tr>
<tr>
<td>Recording Resolution</td>
<td>Up to full D1 (720 x 576)</td>
<td></td>
</tr>
<tr>
<td>Recording Speed</td>
<td>Up to 25fps per channel (real time)</td>
<td></td>
</tr>
<tr>
<td>Compression</td>
<td>H264</td>
<td></td>
</tr>
<tr>
<td>Audio</td>
<td>8 x RCA phone inputs 1 x output</td>
<td></td>
</tr>
<tr>
<td>Network</td>
<td>RJ45</td>
<td></td>
</tr>
<tr>
<td>Backup Method</td>
<td>USB / Network</td>
<td></td>
</tr>
<tr>
<td>Control Outputs</td>
<td>PTZ control (RS485)</td>
<td></td>
</tr>
<tr>
<td>Alarm Input/Output</td>
<td>8 x Inputs 1 x Output</td>
<td></td>
</tr>
<tr>
<td>HDD Size</td>
<td>1TB (expandable to 2TB)</td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td>IR Remote Control &amp; USB Mouse</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>12V DC 5amp</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cameras x 4</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip</td>
<td>1/4” CCD</td>
<td></td>
</tr>
<tr>
<td>Operation</td>
<td>Day/night (colour/monochrome)</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>420TVL</td>
<td></td>
</tr>
<tr>
<td>Lens</td>
<td>3.6mm</td>
<td></td>
</tr>
<tr>
<td>Infra Red</td>
<td>Up to 10mtrs</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>12V DC 280ma</td>
<td></td>
</tr>
<tr>
<td>Cable</td>
<td>20mtrs supplied. 15mtrs extensions VK20E (up to 95mtrs)</td>
<td></td>
</tr>
</tbody>
</table>

**Product Code: VK8CH15LCD/4B With 4 Bullet Cameras**

- VK8CH15LCD/4D With 4 Dome Cameras

**Smart phone compatible**
8 Camera Digital CCTV Recording System

- 8 camera capability digital CCTV recording system
- 19” LCD monitor with built-in 500GB HDD DVR
- Supplied with 4 cameras, monitor/DVR, cables, power supplies, mouse, IR remote control
- View live footage using smart phones (iPhone, Android, Blackberry, Microsoft)

Product Code: VKLCD19/4

- 4 x day/night cameras, all cables, connectors & power supplies included
- Easy control via mouse or infra red remote (both supplied)
- View live or recorded footage via H264 compression over the internet (broadband required)
- H264 real time recording for smooth playback footage with minimal space used on HDD
- Back-up recorded footage using USB device (pen drive) or over network/internet
- Powerful recording, motion & schedule configuration per camera
- VGA input

Technical Specification

<table>
<thead>
<tr>
<th>DVR</th>
<th>Screen Type</th>
<th>Recording Resolution</th>
<th>Recording Speed</th>
<th>Compression</th>
<th>Audio</th>
<th>Network</th>
<th>Backup Method</th>
<th>Control Outputs</th>
<th>Alarm Input/Output</th>
<th>HDD Size</th>
<th>Accessories</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19” LCD c/w 1 x BNC slave output &amp; 1 VGA PC monitor input</td>
<td>Up to full D1 (720 x 576)</td>
<td>Up to 100fps</td>
<td>H264</td>
<td>8 x RCA phono inputs 1 x output</td>
<td>RJ45</td>
<td>USB / Network</td>
<td>PTZ control (RS485)</td>
<td>8 x Inputs 1 x Output</td>
<td>500GB (expandable to 1TB)</td>
<td>IR Remote Control &amp; USB Mouse</td>
<td>12V DC 5amp</td>
</tr>
</tbody>
</table>

Cameras x 4

<table>
<thead>
<tr>
<th>Chip</th>
<th>1/4” CCD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation</td>
<td>Day/night (colour/monochrome)</td>
</tr>
<tr>
<td>Resolution</td>
<td>420TVL</td>
</tr>
<tr>
<td>Lens</td>
<td>3.6mm</td>
</tr>
<tr>
<td>Infra Red</td>
<td>Upto 15mtrs</td>
</tr>
<tr>
<td>Voltage</td>
<td>12V DC 300ma</td>
</tr>
<tr>
<td>Cable</td>
<td>20mtrs supplied. 15mtrs extensions VK20E (up to 75mtrs)</td>
</tr>
</tbody>
</table>

VKLCD19/4G Monitor

- 360mm x 440mm x 65 Depth

VKFCB1 Cameras

- 85mm x 50mm

VKLCD19/4G Accessories

Easy Connections

- Smart Phone
- Internet
- Router
- PC
- Monitor/DVR

Cables 20mtrs supplied. 15mtrs extensions VK20E (up to 75mtrs)
Technical Specification

**DVR**
- Camera Inputs: 4 x BNC
- Monitor Outputs: 1 x BNC 1 x VGA
- Recording Resolution: Up to Full D1 (720 x 576)
- Recording Speed: Up to 25fps per channel (real time)
- Compression: H.264
- Network: RJ45
- Backup Method: USB/Network
- Control Outputs: PTZ control (RS485)
- HDD Size: 500GB (expandable to 2TB)
- Accessories: IR Remote Control & USB Mouse
- Voltage: 12V DC 5amp

**Cameras x 4**
- Chip: 1/4" CCD
- Operation: Day/night
- Resolution: 420 TVL
- Lens: 3.6mm
- Infra Red: Up to 15mtrs
- Voltage: 12V DC 300ma
- Cable: 20mtrs supplied. 15mtrs extensions VK20E (up to 95mtrs)

**VKD1DVR4 - 4 CH 500GB DVR**
- 4 x VKFCB1 - Discreet Bullet Camera
- 45mm
- 274mm
- 215mm
- 85mm
- 80mm
- 50mm

**VK20 - 4 x 20mtrs Power Cable**
- 12V DC 1.25 amp Camera PSU

**Product Code: VKFK4B**

- View live or recorded footage via H264 compression over the internet (broadband required)
- H264 real time recording for smooth playback footage with minimal space used up on HDD
- Simple plug & play connections for DIY installation
- Use your own TV, no need for CCTV monitors
- Discreet cameras ideal for residential properties
- Kit supplied with 4 cameras, Digital HDD recorder, power supply plus all cables and connectors
- Day/night operation
Digital Wireless Portable Observation System

- **Up to 150mtr wireless distance (line of sight)**
- **Up to 4 camera capability**
- **SD card recording facility**

- **Ideal for:**
  - Small retail outlets
  - Residential
  - Anyone wanting a versatile portable CCTV system

**Product Code: VKFWK1**

- Attractive internal camera supplied in kit with additional internal & external cameras available
- Built in Li-ion rechargeable battery for full portable use
- Infra Red Illumination
- Plug in transformers supplied for permanent use
- Display modes: Quad, sequential switching or full screen
- True PIR motion detection capability
- SD Card recording facility with 2GB Card supplied (Max 16GB)
- Up to 350 minutes recording (on 2GB SD Card)
- Audio
- AV Lead for connection to TV

**Technical Specification**

<table>
<thead>
<tr>
<th></th>
<th>Internal Camera</th>
<th>External Camera</th>
<th>Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Channels</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication Range</td>
<td>Up to 150mtr (line of sight)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>640 x 480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C to +50°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>DC 5V/1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Consumption</td>
<td>550mA (max)</td>
<td>550mA (max)</td>
<td>650mA (max)</td>
</tr>
<tr>
<td>Night Vision</td>
<td>5-8mtrs</td>
<td>10-15mtrs</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**VKFWCI - Internal Camera**

**VKFWCE - External Camera**

- Up to 150mtrs wirefree
- Distance Reduced
Camera Recognition Level

- **ID**: Object fills 125% of the screen
- **Recognition**: Object fills 50% of the screen
- **Observation**: Object fills 10% of the screen

Drawing Scale

- **1/4” chip angle of view**
  - 1mtr
  - 2.5mtr
  - 5mtr
  - 8mtr

- **1/3” chip angle of view**
  - 3.6mm 69°
  - 4mm 62°
  - 9mm 30°
  - 22mm 13°
  - 37mm 8°
Cameras

3.6mm Bullet Camera

Product Code: VKFCB1
- 420TVL Resolution
- 3.6mm Wide Angle Lens
- Up to 15mtr IR Illumination (23pc IR LED)
- Cable Managed Wall/Ceiling Bracket
- 12V DC 300ma

4-9mm Varifocal Camera

Product Code: VKFCE1
- 540TVL Resolution
- 4-9mm Varifocal Lens
- Up to 30mtr IR Illumination (35pc IR LED)
- IP66
- On Screen Programming
- Cable Managed Wall Bracket
- 12V DC 700ma

9-22mm Varifocal Camera

Product Code: VKFCE2
- 700TVL Resolution
- 9-22mm Varifocal Lens
- Up to 50mtr IR Illumination (2x6pc IR LED)
- IP66
- External Lens adjustment (Zoom & Focus)
- Cable Managed Wall Bracket
- 12V DC 1000ma (in line PSU recommended)

4-9mm Varifocal Camera

Product Code: VKFCID
- Quick fix base
- 420TVL Resolution
- 4-9mm Varifocal Lens
- Indoor use
- 12V DC 120ma
- Ceiling mounted

Cable Cores

| Video | GND | Video |

Suggested Power Supplies

- VKPSP1250 - For local supply
- VKPSP04
- VKPSP09
- VKPSP16 - For central supply
  (less than 100mtr)

- Use VKRG coax when using local PSU or VKRGDC when using central PSU (VKRG max 200m, VKRGDC max 100m).
- Confirm use of camera (ID recognition, observation) and distance before ordering so correct camera for application is used.
Cameras

Product Code: VKFCIDH

4-9mm Varifocal Camera

- 540TVL Resolution
- Quick fix base
- 4-9mm Varifocal Lens
- Indoor use
- 12V DC 120ma
- Ceiling mounted

Product Code: VKFCED

3.6mm Wide Angle Camera

- 420TVL Resolution
- 3.6mm Wide Angle Lens
- Indoor/Outdoor use
- Up to 15mtr IR Illumination (23pc IR LED)
- 12V DC 300ma
- Wall/ceiling mount

Product Code: VKFCEDV

4-9mm Varifocal Camera

- 420TVL Resolution
- 4-9mm Varifocal Lens
- Indoor/Outdoor use
- Up to 20mtr IR Illumination (36pc IR LED)
- 12V DC 400ma
- Wall/ceiling mount

Product Code: VKFCEDVH

4-9mm Varifocal Camera

- 540TVL Resolution
- 4-9mm Varifocal Lens
- Indoor/Outdoor use
- Up to 20mtr IR Illumination (36pc IR LED)
- 12V DC 400ma
- Wall/ceiling mount

ID object fills 125% of the screen
Recognition object fills 50% of the screen
Observation object fills 10% of the screen

Lens Selection

<table>
<thead>
<tr>
<th>Lens</th>
<th>1mtr</th>
<th>2.5mtr</th>
<th>5mtr</th>
<th>7.5mtr</th>
<th>10mtr</th>
<th>12.5mtr</th>
<th>15mtr</th>
<th>20mtr</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.6mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Object Distance

Based on 1/3” cameras - see page 9 for examples
Pan Tilt Zoom Controllable Camera

- Pan tilt zoom controllable camera
- Wall or ceiling pendant mount via adjustable bracket
- Can be controlled by joystick or FACINA DVR recorders
- Day/night operation

Ideal for:
- Car parks
- Warehouses
- Anyone requiring moveable cameras

Product Code: VKFCSD

- 480TVL Resolution
- Auto/Manual Focus
- 3.78mm – 37.8mm Zoom Lens (10 x optical)
- Full 360 degree rotation
- High Speed 300 degree per second operation
- RS485 control (Pelco D Protocol)
- 16 Programmable presets
- 12V DC 2A Supply Included

VKFCSD - Wall

VKFCSD - Pendant

VKFJ - Joystick Controller

Cable Cores

Video | GND | Video

Control

Single twisted pair [1000mtr max]
- Use VKDC100 single twisted pair or DVR with Pelco D Protocol

Power Supply

- Local power supply to be less than 10m distance

Video Coax | Video Coax | Video Coax

Twisted Pair | PSU | PSU | PSU

33 Depth
### Bullet Style Dummy Camera

**Product Code: VKDBULL**

- Bullet Style Dummy Camera
- Flashing LED
- Battery operated
- Indoor/outdoor use

### Indoor Use Dummy Camera

**Product Code: VKDINT**

- Indoor Use Dummy Camera
- Flashing LED
- Battery operated

### Dome Style Dummy Camera

**Product Code: VKDDOM**

- Dome Style Dummy Camera
- Flashing LED
- Battery operated
- Indoor use

### Full Size Dummy Camera

**Product Code: VKDEXT**

- Full Size Dummy Camera
- Camera/housing/connection box
- Flashing LED
- Battery operated
- Outdoor use

### Battery Requirements:

- **No mains power required**
- **Realistic appearance**

- **Product Code**
  - VKDBULL: 2 x AA Batteries
  - VKDINT: 4 x AA Batteries
  - VKDDOM: 2 x AAA Batteries
  - VKDEXT: 4 x AAA Batteries
## DVR Technical Information

### Recording Resolutions

<table>
<thead>
<tr>
<th>Resolution Type</th>
<th>Resolution Dimension</th>
<th>Resolution Quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>704 x 576 Pixels</td>
<td>Full Recording Resolution</td>
</tr>
<tr>
<td>HD1</td>
<td>704 x 288 Pixels</td>
<td>Half Recording Resolution</td>
</tr>
<tr>
<td>CIF</td>
<td>352 x 288 Pixels</td>
<td>Quarter Recording Resolution</td>
</tr>
</tbody>
</table>

### CCTV Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPS</td>
<td>Frames per second (Number of images each second)</td>
</tr>
<tr>
<td>H264</td>
<td>Type of video compression used (To shrink file sizes ensuring more information can be recorded)</td>
</tr>
<tr>
<td>HDD</td>
<td>Hard Disk Drive</td>
</tr>
<tr>
<td>GB</td>
<td>Gigabyte (Measurement of storage)</td>
</tr>
<tr>
<td>TB</td>
<td>Terabyte (Measurement of storage - 1024 gigabytes)</td>
</tr>
<tr>
<td>PTZ</td>
<td>Pan Tilt Zoom</td>
</tr>
</tbody>
</table>

### Recording Times/Quality

#### 4 CAMERAS CONTINUOUS RECORDING

**VVD01VDR4 500GB**

<table>
<thead>
<tr>
<th>FPS Per Camera</th>
<th>CIF</th>
<th>HD1</th>
<th>D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Key: High Quality, Low Quality

#### 8 CAMERAS CONTINUOUS RECORDING

**VVD01VDR8 1TB**

<table>
<thead>
<tr>
<th>FPS Per Camera</th>
<th>CIF</th>
<th>HD1</th>
<th>D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Key: High Quality, Low Quality

#### 16 CAMERAS CONTINUOUS RECORDING

**VVD01VDR16 1TB**

<table>
<thead>
<tr>
<th>FPS Per Camera</th>
<th>CIF</th>
<th>HD1</th>
<th>D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Key: High Quality, Low Quality
### Stand Alone Digital Video Recorders

**4 Channel DVR**
- 4 Channel DVR
- Mouse/IR Remote controlled
- 500GB HDD (1TB & 2TB Versions available)
- H264 compression
- Up to Full D1 recording resolution
- Up to 100FPS recording
- USB backup
- Network ready
- PTZ control
- 3G Smart phone compatible

**Product Code:** VKD1DVR4

**8 Channel DVR**
- 8 Channel DVR
- 1TB HDD (2TB Version available)
- Mouse/IR remote controlled
- H264 compression
- Up to Full D1 recording resolution
- Up to 200FPS recording
- USB backup
- PTZ control
- Network ready
- 3G Smart phone compatible

**Product Code:** VKD1DVR8

**16 Channel DVR**
- 16 Channel DVR
- 1TB HDD (2TB Version available)
- Mouse/IR remote controlled
- H264 compression
- Up to Full D1 recording resolution
- Up to 400FPS recording
- USB backup
- PTZ control
- Network ready
- 3G Smart phone compatible

**Product Code:** VKD1DVR16

---

**Optional Equipment**

- **Power Supply Unit**
  - Replacement PSU VKCV12/5000
  - 12V DC 5amp

- **Pen Drive**
  - For purpose of backup
  - VKUSB2G
  - 2GB Space

- **Router**
  - Programmable VKADSL
8 Channel Combo Digital Video Recorder/Monitor

- 8 channel digital CCTV recorder
- 19” LCD CCTV & PC monitor

Product Code: VKLCD19DVR

- View live footage using smart phones (iPhone, Android Blackberry, Microsoft)
- Front Panel/Mouse/IR remote controlled
- 500GB HDD
- H264 compression
- Upto full D1 recording resolution
- Upto 200FPS real time recording
- USB backup
- PTZ control
- Network ready
- 3G smart phone compatible
- VGA input

Technical Specification

| Video Inputs | 8 x BNC 1 x VGA (PC) |
| Screen Type | 19” LCD c/w 1 slave monitor BNC output |
| Recording Resolution | Up to full D1 (720 x 576) |
| Recording Speed | Up to 25fps per channel |
| Compression | H264 |
| Audio Inputs/Outputs | 8 x RCA phono inputs 1 x output |
| Network | RJ45 |
| Backup Method | USB/Network |
| Control Outputs | PTZ control (RS485) |
| Alarm Input/Output | 8 x Inputs 1 x Output |
| HDD Size | 500GB (expandable to 2TB) |
| Accessories | IR Remote Control & USB Mouse |
| Voltage | 12V DC 5amp |

Camera Inputs 1-8
75ohm CCTV Coax (VKR0) with BNC Connectors (VKBCT)

Can be connected to a PC and be used as a VGA computer and CCTV monitor

Ethernet
VGA

Router
PC

Can be connected to a PC and be used as a VGA computer and CCTV monitor
Ancillary Products

Product Code: VKMLCD17X

- 17" LCD Monitor
- BNC, VGA & S-Video Inputs
- RCA Phono Audio Input
- Max Resolution 1280x1024
- 5 ms Response time
- 12V DC 4A PSU supplied

Product Code: VK20

- 20mtr Video/DC Power Camera Cable
- BNC Male Connectors (video)
- 2.1mm DC plug (camera end)
- 2.1mm DC Socket (monitor end)

Product Code: VK20E

- 15mtr Video/DC Power Extension Cable
- Used with VK20
- BNC Female/DC Plug connects to VK20
- BNC Male/DC Socket (monitor end)
- Multiple extensions can be used
- Maximum cable run 80mtr

Product Code: VKRG

- RG59 Coaxial Video cable 100mtr
- Solid Conductor Core
- CCTV Video Signal 75 Ohm
- Maximum Cable Run 200mtrs
- BNC style connectors required

Ensure all connections are made in the following order with particular attention to correct cable ends:

1. CAMERA
2. CAMERA CABLE
3. EXTENSION
4. MONITOR/DVR

Ensure all connections are free from moisture ingress.
Ancillary Products

RG59 Shotgun Cable

- RG59 Coaxial Video cable + 2 DC Power cores
- CCTV Video Signal 75 Ohm
- DC Core x 2 for 12/24v power
- Maximum cable run 100mtrs
- BNC style connectors required

Product Code: VKRGDC

Cable & Power Supply

- VK20 Video/power cable
- 12V DC 1.25A Plug in power supply
- Can be used with VK20E extensions

Product Code: VKCABPSU

Plug In Power Supply

- 12V DC 1.25A
- Plug in power supply
- 2.1mm DC plug

Product Code: VK/PSP1250

Boxed Power Supply

- 12V DC Regulated 4 Amp PSU
- Metal enclosure
- 4x1Amp outputs
- Thermal output fuses (no replacement fuses needed)
- Supplied with 4x 2.1mm DC plugs (VKDCTB)

Product Code: VKPSU4

Local Power Supplies

- Use local to camera if video signal is more than 100mtrs
- Use if camera consumption is more than 1amp

(VK/PSP 1250, VKCV12/3500)
**Product Code: VKPSU9**

- 12V DC regulated 9 amp PSU
- Metal enclosure
- 9x1Amp outputs
- Thermal output fuses (no replacement fuses needed)
- Supplied with 9x 2.1mm DC plugs (VKDCTB)

**Product Code: VKPSU16**

- 12V DC regulated 16 Amp PSU
- Lockable metal enclosure
- 16x1 amp outputs
- Thermal output fuses (no replacement fuses needed)
- Supplied with 16x 2.1mm DC plugs (VKDCTB)
- LED indication

**Product Code: VKBCT**

- Crimp on BNC connector
- 75 Ohm
- For use with VKRG & VKRGDC
- Also available screw type VKBST in-line connector VKDEF ‘T’ Piece VKBNCTP

**Product Code: VKRCP**

- BNC crimp tool
- For use with VKBCT connectors
- Use on VKRG & VKRGDC

---

**Central Power Supplies**

- Use with VKRGDC cable
- Maximum cable distance 100mtrs
- Possible volt drop over long distances

---

**VKRGDC**

<table>
<thead>
<tr>
<th>Output</th>
<th>25mtr</th>
<th>50mtr</th>
<th>75mtr</th>
<th>100mtr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output 1</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Output 2</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Output 3</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>
Fortessa Door Entry

Fortessa’s extensive door entry offerings fall into two main ranges; digital two wire & traditional cabling. Digital two wire is particularly suited to larger & multiple door systems or for refurbishment of older systems as only two cores of cable are required. This often means existing cabling can be used. The equipment cost is usually higher than traditionally cabled systems but vast savings in time, cable, termination and fault finding can actually result in a more cost effective solution with an easier install & a system with greater flexibility.

Traditionally cabled systems use more cable cores, with the equipment cost being lower. Generally used for systems with between one & ten apartments.

Both ranges are extremely versatile with modular assembly which enables many options including;

- Vandal Resistant
- Standard
- Colour video
- Monochrome video
- Audio
- Mute of ring
- Tradesman facility
- Access control keypad
- Stand alone proximity readers
- PC based proximity readers

If you are unsure which system is best for your application, feel free to contact us for advice or for any assistance in specifying.
Digital 2 Wire Audio Entry

- 2 Cores connectivity
- Reduced cabling costs
- Reduced labour costs
- Not polarity conscious
- Up to 600mtr distance

- 1-239 Apartments
- Up to 25 Panels
- All available in surface or recessed
- Numerous configurations available
- Call us for a system quotation

**Product Code: FTDS1**
1 Way Audio Entry Digital

**Product Code: FTDS2**
2 Way Audio Entry Digital

**Product Code: FTDS3**
3 Way Audio Entry Digital

Vandal Resistant Option

Vandal Resistant Option

Vandal Resistant Option

1-239 Way Available From Stock

Call our quotations office for specific system designs including proximity & access control on 01253 791888

FTDS - 1-100 Way Digital Panel

FT2608W/A - Digital Audio Handset

Simple dip switch programming

Just add handsets

Twisted Pair Telephone Cable & CAT5 Maximum Distances

- Handset to mixer PSU 408mtrs
- Mixer PSU to panel 400 mtrs

Call our sales office if longer distances are required for your system
Audio Entry

[Traditional Cabling]

- Modular system
- 3 Year Warranty
- Up to 100mtr distance
- 1-10 Apartments (call for larger systems)
- Multiple panels
- All available in surface or recessed

**Product Code: FTS1**
1 Way Audio Entry

**Product Code: FTS2**
2 Way Audio Entry

**Product Code: FTS3**
3 Way Audio Entry

Vandal Resistant Option

Vandal Resistant Option

Vandal Resistant Option

Call our quotations office for specific system designs including proximity, trades facility & access control on 01253 791888

FT328 - Standard Access Keypad

FT3188 - Vandal Access Keypad

FT9000M, FT9000VRM, Standalone proximity readers

FTBREAD/P - PC Based Proximity Reader

(additional equipment needed)

---

1 Way Door Entry System

- External panel to PSU 8 cores + 1 core per apartment
- PSU to internal handset. 4 cores + 1 core per apartment
- Use BT cable or Cat 5
- Up to 100mtrs
Digital 2 Wire Video Door Entry

- 2 cores connectivity
- Reduced cabling costs
- Reduced labour costs
- Not polarity conscious
- Up to 600mtr distance
- 1-259 Apartments
- Up to 25 panels
- All available in surface, recessed, colour & B/W

**Product Code: FTDVS1/C**
1 Way Video Entry Colour

![1 Way Video Entry Colour](image1)

Vandal Resistant Option

**Product Code: FTDVS2/C**
2 Way Video Entry Colour

![2 Way Video Entry Colour](image2)

Vandal Resistant Option

**Product Codes: FTDVS FTDVS/C**
Multiple Way Video Entry

Just add number of monitors and brackets

Supplied with standalone lock release DLU1 and power supply

FTDVS - monochrome
FTDVS/C - colour

Use our pull out survey form or call our quotations office for specific system designs on 01253 791888

**FTS801DB - B/W Monitor**
c/w wall bracket backplate

**Simple dip switch programming**
Digital backplate shown

**FTS802DB - Colour Monitor**
c/w wall bracket backplate

Twisted Pair Telephone Cable Maximum Distances
- Handset to mixer PSU 100mtrs
- Mixer PSU to panel 100 mtrs

Call our sales office if longer distances are required for your system
Video Door Entry
(Traditional Cabling)

- Panel to PSU Cabling 10 cores + number of apartments + CCTV Coax
- PSU to handset Cabling 10 cores + number of apartments + CCTV Coax
- Up to 100mtr distance
- 1-20 Apartments (Call for larger systems)
- Multiple panels
- All available in surface, recessed, colour & B/W
- Modular design allows keypads or proximity readers to be added into panel

Product Code: FTVS1/C
1 Way Colour Video Entry

Product Code: FTVS2/C
2 Way Colour Video Entry

Product Code: FTVS3/C
3 Way Colour Video Entry

Vandal Resistant Option

FT3328 Standard Keypad
FT3188 Vandal Keypad
Panel Mount Proximity Reader
FT9000M
FT9000VRM
FT5801B/FT5802B Monitors

*additional equipment would be required

Use our pull out door entry survey form or call our quotations office for specific system designs on 01253 791888

1 Way System
8 Cores & CCTV Coax
11 Cores & CCTV Coax

Door Panel
• **Wireless video entry system**
• **7” colour monitor**

**Product Code: FTVCRF**

- Digital interference free wireless technology
- Up to 100 mtrs line of sight transmission distance
- Colour panel and monitor
- IR LED’s for night vision
- SD card records video & audio footage (250 mins)
- Audio mute facility
- AV output for connecting to T.V.
- 5 second relay output for lock release

**Technical Specification**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Panel</th>
<th>Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Transmission Distance</td>
<td>Up to 100 mtrs</td>
<td>Up to 100 mtrs</td>
</tr>
<tr>
<td>Video Resolution</td>
<td>640 x 480 (VGA)</td>
<td>640 x 480 (VGA)</td>
</tr>
<tr>
<td>PSU Supplied</td>
<td>15V DC1.5A</td>
<td>5V DC1A</td>
</tr>
<tr>
<td>Consumption</td>
<td>180mA *without lock release</td>
<td>1000mA</td>
</tr>
<tr>
<td>IR Distance</td>
<td>0.8mtr</td>
<td>N/A</td>
</tr>
<tr>
<td>SD Card Supplied</td>
<td>2GB (250 minutes)</td>
<td></td>
</tr>
</tbody>
</table>

**Easy Set Up**

- **DLU1 Lock Release** *(supplied separately)*
- **Lock Release** *(supplied separately)*
- **Up to 100 mtrs**
- **15V 1.5A**
- **5V 1.5A**
2-9 Way Handset Intercoms

- Handset to handset intercoms
- 2-9 Way
- Residential or Light Commercial use
- Mute of ring facility

**Product Code: FTIN2**
2 Way Intercom

**Product Code: FTIN3**
3 Way Intercom

**Product Code: FTIN4**
4 Way Intercom

**Product Code: FTIN5**
5 Way Intercom

**Product Code: FTIN6**
6 Way Intercom

**Product Code: FTIN7**
7 Way Intercom

- Use BT or CAT5 cable.
- Up to 3 way - 6 cores required
- 4 way - 7 cores
- 5 way - 8 cores
- 6 way - 9 cores
- 7 way - 10 cores
- 8 way - 11 cores
- 9 way - 12 cores
Door Entry Keypads

**Product Code: FTK1**

- Surface Mount Vandal Keypad
- LED Backlit buttons
- IP65
- 99 PIN Codes
- 12/24V AC/DC
- Fully fitted with 18” cable loom

**Surface Mount Keypad**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>76mm x 110mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>18mm</td>
</tr>
</tbody>
</table>

**Product Code: FTK2**

- Slimline Vandal Keypad
- LED Backlit buttons
- IP65
- 2 Programmable Relay outputs
- 12/24V AC/DC
- Fully fitted with 18” cable loom

**Vandal Resistant Slimline Keypad**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>44mm x 154mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>23mm</td>
</tr>
</tbody>
</table>

**Product Code: FTK3**

- Surface Vandal Keypad
- Stainless Steel LED Backlit buttons
- IP65
- 2 Programmable Relay outputs
- 12/24V AC/DC

**Surface Mount Vandal Keypad**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>80mm x 110mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>35.5mm</td>
</tr>
</tbody>
</table>

**Product Code: FTK4**

- Surface Touch Sensitive Keypad
- IP65
- 2 Programmable Relay outputs
- 12/24V AC/DC

**Surface Touch Sensitive Keypad**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>80mm x 120mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>35.5mm</td>
</tr>
</tbody>
</table>

**Product Code: FTCL1**

- Surface Internal Keypad
- No power required
- Program code via pins
- Hold open facility

**Mechanical Surface Coded Lock**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>47mm x 50mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>148mm</td>
</tr>
</tbody>
</table>

**Typical Keypad Installation**

- Remember to include method of exit when using keypads
- Emergency break glass points are often a requirement of the fire officer

**Fortessa Keypad**

- PSU
- Diode
- Maglock
- Break Glass
- Exit Button

---

**Illuminated Keypad**

**Reverse of Unit**

**Surface Touch Sensitive**

**Coloured Programming Pins**
Stand Alone Proximity

- ‘Stand Alone’ proximity
- Single door use
- PSU, Lock release & fobs sold separately
- No PC required
- Ideal for residential or light commercial use

Panel Mount Reader/Controller

**Product Code: FTBC2P**

- UK standard door entry panel mount reader (40mm spacing)
- Up to 99 users (fobs)
- Easy programming
- 2 relay outputs

Switch Plate Reader & Controller

**Product Code: FTBC2S**

- Single gang back box size reader
- Indoor/outdoor use
- Up to 99 users
- 2 relay outputs
- Surface mount adaptor supplied

FTP5SU1 - 12V DC 1A Boxed PSU

DLFS - 12V DC failsafe lock release

FTBF0810 - Proximity Fob Pack (10)

FTBCARD10 - Cards

Sticky dots also available (FTBDOT10)

- Controller should be mounted close to reader
- Controller can be used as keypad for access
- 100 fobs/cards can be programmed and individually removed
PC Based Proximity

- PC used to configure system, manage fobs and view events as they happen
- Up to 16 doors connected by dedicated CAT 5 cable or via existing network points. Please call if a larger system is required.

System Connectivity

- Displays all events
- Review alarm events
- Report on user activity
- Export to other programs
- Stores reports up to 2000 events (on stand alone system)
- Unlimited events when a PC is connected

System Software - Event Viewer

- Displays user record details
- Add card
- Record user details
- Enable/Disable user access levels
- Set to time zones
- Add user photo

System Software - Card Manager

Door 1

NB1 - Any type of lock/release can be used - Ask for details
NB2 - Readers can be used for entry & exit, entry only or exit only. Exit button not required if exit readers used.

* If fail safe release is to be used, please call our quotations office as additional equipment will be required.

Please contact our quotations office to discuss your exact system requirements
Tel: 01253 791888 Fax: 01253 791887 Email: enquiries.avs@adivision.co.uk
PC Based Proximity

Standard Door Controller

Product Code: FTBCTRL
- Single door controller
- In/Out reader inputs
- 1-99 second lock release timer
- 3 amp at 30V DC relay
- Fire, intruder, tamper & auxiliary inputs

Network Door Controller

Product Code: FTBCTRLN
- Single door controller
- Network connectivity
- In/Out reader inputs
- 1-99 second lock release timer
- 3 amp at 30V DC relay
- Fire, intruder, tamper & auxiliary inputs

Proximity Reader

Product Code: FTBREAD
- Proximity reader standard
- Max cable distance 100mtrs
- Use with FTBCTRL & FTBCTRLN
- 30ma

Proximity Reader Panel

Product Code: FTBREAD/P
- Proximity reader panel mount
- Suitable for use in Fortessa door entry panels
- Use with FTBCTRL & FTBCTRLN
- 30ma

Proximity Reader Slimline

Product Code: FTBREAD/S
- Proximity reader slimline
- Ideal for mounting on door cases
- Use with FTBCTRL & FTBCTRLN
- 30ma

Card
Fob
Reader
USB Interface
PC

Use a reader near to the system PC for easy management of fobs. (adding/deleting)
PC Based Proximity Accessories

USB Interface
- USB Interface
- Use on systems with FTBCTRL controllers
- Connects to on site PC

Product Code: FTBUSB

Door Controller Software
- 16 Door professional software
- Add/delete users
- Enable/disable user access levels
- View activations as they happen
- Review/manage alarms
- Export data to other programs

Product Code: FTBSOFTP

Proximity Cards (pack of 10)
- Proximity Cards (pack of 10)
- Credit card size
- Individually serial numbered

Product Code: FTBCARD10

Proximity Sticky Dots (pack of 10)
- Can be stuck to regularly used items (mobile phone or ID Card etc.)
- Discreet
- Individually serial numbered

Product Code: FTBDOT10

Proximity Fob (pack of 10)
- Proximity fob (pack of 10)
- Add to existing keyring
- Individually serial numbered

Product Code: FTBF0B10
Main two devices for releasing doors:
- Lock Release
- Magnetic Lock

Lock Release
Can be 12 or 24 volt & AC or DC, surface or flush
Can also be Fail Secure or Fail Safe

Magnetic Lock
- Always Fail Safe and works on DC current (12/24v).
- Available in different sizes with different holding forces.
- No need to chisel doors or frames
- Not always ideal for UPVC doors, please call to discuss individual requirements.
- Additional equipment such as timer relays may be required depending on installation type.

Two power options
- Fail Safe
  Requires constant DC power to remain locked. When power is removed the lock releases allowing exit. Consider using power supply with battery back up & always ensure means for safe exit such as exit buttons & emergency break glass devices are provided.
- Fail Secure
  When power is applied the lock releases allowing exit. Keeps locked without power applied (AC/DC).

Typical diagram for magnetic lock on door entry system

Typical diagram for magnetic lock when using a keypad
Locks & Releases

**Product Code: DLU1**
- Universal lock release
- Flush and surface plates supplied
- 12v AC/DC
- Fail secure
- 350ma

**Product Code: DLFS**
- Failsafe
- 12v DC
- Flush and surface plates supplied
- 350ma

**Product Code: FTM250**
- Mini maglock
- 250kg holding force
- Internal use
- 500ma at 12v DC

**Product Code: FTM500**
- Standard maglock
- 500kg holding force
- Indoor use
- 500ma at 12v DC

See page 36 for power supply options
Exit Buttons

Touch Sensitive Exit Button

- Product Code: FTBTOUCH
- Touch Sensitive Exit Button
- Surface/Flush Mount
- 1x Relay output (N/O & N/C)
- Operating voltage 12v DC

Illuminated Exit Button

- Product Code: FTEB1
- Illuminated Exit Button
- Stainless Steel IP65
- Flush mount (surface box available FTSB1)
- 2x Relay Outputs (N/O & N/C)
- Contact rating 2A/30V DC
- Operating Voltage 12V-24V DC
- Time delay relay 1 - 99 seconds
- Selectable illumination status

Plastic Exit Button

- Product Code: FTEB2
- Plastic Exit Button
- Flush Mount
- Built in SPDT Micro Switch
- May require additional relay
- Single gang fix
- Operating voltage 12V - 24V DC

Slimline Exit Button

- Product Code: FTEB3
- Slimline Exit Button
- Selectable Illumination status
- Stainless Steel IP65
- Flush mount (surface box available FTSB3)
- 2x Relay Outputs (N/O & N/C)
- Contact rating 2A/30V DC
- Operating Voltage 12V - 24V DC
- Time delay 1-99 seconds

Exit Buttons

Use when supplying maglocks
Or any failsafe lock release
Also consider using break glass points
Ancillary Products

**Product Code: DGCP**
- Emergency break glass point
- Fully resettable
- Surface/Flush mount
- Maximum current 50mA

**Exit Dome**
- Stainless Steel
- Flush version available [FTEDTF].
- 2 x Relay Outputs (N/O & N/C)
- Contact rating 2A/30V DC
- Operating Voltage 12V - 24V DC
- Timer delay relay 1 - 99 seconds
- Versions without timer relay available (FTEDS FTEDF)

**Product Code: FTEDTS**
- Single pole timer relay
- Timer adjustable from 0.2-0.6 or 1.2 to 120 seconds
- 12v AC or DC supply
- Din Rail mounting capability
- Contact rating 1Amp at 240V or 20Amp at 12V
- Versions without timer relay available (FTEDS FTEDF)

**Product Code: FT1184/A**
- Single pole relay
- 12/24v AC or DC supply
- Din Rail mounting capability
- Contact rating 10Amp at 240V
- Operating Voltage 12V - 24V DC

**Product Code: FT1122/A**
- Single pole relay
- 12/24v AC or DC supply
- Din Rail mounting capability
- Contact rating 10Amp at 240V

**Exit Dome**
- Use to ‘kill’ power to maglocks and failsafe lock releases
- Time: 1-20 seconds
- Time: 6 - 120 seconds
Power Supplies

12V DC 1 Amp Power Supply

**Product Code: FTPSU1**
- 12V DC 1 Amp Power supply
- Metal Enclosure
- Filtered & regulated
- Built in charger
- Maximum charge current 120mA
- Input/output fuse protection
- Resettable output fuse

12V DC 2 Amp Power Supply

**Product Code: FTPSU2**
- 12V DC 2 Amp Power supply
- Metal enclosure
- Filtered & regulated
- Built in charger
- Maximum charge current 120mA
- Input/output fuse protection
- Resettable output fuse

12V DC 3 Amp Power Supply

**Product Code: FTPSU3**
- 12V DC 3 Amp Power supply
- Metal Enclosure
- Filtered & Regulated
- Built in charger
- Maximum charge current 120mA
- Input/output fuse protection
- Resettable output fuse

12V DC 5 Amp Power Supply

**Product Code: FTPSU5**
- 12V DC 5 Amp power supply
- Lockable metal enclosure
- Filtered & regulated
- Built in charger
- Maximum charge current 200mA or 400mA
- Input/output fuse protection
- Resettable output fuse
- AC input & DC output LED indication

Battery Backup

Max battery size 12v 7AH
Clarus is a specialist provider of Public Address Systems and related products. From small PA systems for warehouses and industrial units through to large commercial systems for sites requiring specialist items, Clarus can provide the right solution for you.

**PA System Considerations**

1. Is the system required for indoor or outdoor purposes?
2. What type of venue: offices, warehouse, social club, etc?
3. Are the speakers to be ceiling or wall mounted?
4. What size is the floor area of each location?
5. Is there any background noise that the speakers need to be louder than e.g. machinery or forklift trucks?
6. Is the system for speech, background music or both?

**System Connectivity**

<table>
<thead>
<tr>
<th>CABLE REQUIREMENTS</th>
<th>CABLE SIZE &amp; MAXIMUM DISTANCES (USE DOUBLE INSULATED CABLE 2 CORE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Watt</td>
<td>0.75mm²  1.066m  1.5mm²  1.606m  2.666m  4.266m  6.400m</td>
</tr>
<tr>
<td>60 Watt</td>
<td>400m  533m  800m  1.333m  2.133m  3.200m</td>
</tr>
<tr>
<td>120 Watt</td>
<td>200m  2.666m  400m  666m  1.666m  1.600m</td>
</tr>
<tr>
<td>240 Watt</td>
<td>100m  133m  200m  333m  533m  800m</td>
</tr>
</tbody>
</table>

Please contact our quotations office to discuss your exact system requirements
Tel: 01253 791888 Fax: 01253 791887 Email: enquiries.avs@adivision.co.uk
Speakers

6W Ceiling Speaker
Product Code: PACS
- 6W Ceiling speaker
- 100v Line
- Spring loaded retaining clips
- Hole diameter 164mm
- Wattage tapped at 6w, 3w, 1.5w

6W Mini Ceiling Speaker
Product Code: PACSM
- 6W Mini Ceiling speaker
- 100v Line
- Spring loaded retaining clips
- Hole diameter 95mm
- Wattage tapped at 6w, 3w

20W 2 Way Speaker
Product Code: PA320WS
- 20w Wall speaker
- 100v line
- ABS plastic
- Adjustable mounting bracket
- Supplied as a pair
- Suitable for background music

6W Weatherproof Speaker
Product Code: PA516WP
- 6W Speaker
- 100v Line
- Wall mounted
- Weatherproof
- Wattage tapped at 6w, 3w, 1.5w

---

100v Line Speakers
Wattage can be adjusted

<table>
<thead>
<tr>
<th>6W</th>
<th>3W</th>
<th>1.5W</th>
<th>COM</th>
</tr>
</thead>
</table>

- Ensure total wattage of speakers does not exceed wattage of amplifier
- "Tap down" wattage of speakers if too loud
  (feature not available on all speakers)
**Product Code: PASPB**

20W Sound Projector Speaker

- 20W Sound projector speaker
- 100v Line
- Weatherproof for outdoor use
- Ideal for background music
- Wattage tapped at 20w, 10w, 5w, 2.5w
- White available (PASPW)

---

**Product Code: PA40AMP**

40W Amplifier

- 40W Amplifier
- 4 microphone & 1 auxiliary input
- Built-in condenser microphone
- Priority function for emergency call
- 240v AC 24v DC input

---

**Product Code: PA120AMP**

120W Mixer Amplifier

- 120W Mixer amplifier
- 5 microphone & 3 auxiliary inputs
- Individual mic volume controls
- 8 ohm, 50V, 70V & 100V Outputs
- 4 output Zones
- Priority function for emergency call
- 240v AC 24v DC operation

---

**Product Code: PA240AMP**

240W Mixer Amplifier

- 240W Mixer amplifier
- 5 microphone & 3 auxiliary inputs
- Individual mic volume controls
- 8 ohm, 50V, 70V & 100V Outputs
- 4 output Zones
- Priority function for emergency call
- 240v AC 24v DC input

---
Ancillary Products

Goose Neck Microphone

- Desk mount
- Goose neck adjustable shaft
- Push to talk button
- Stainless Steel
- 6.3mm jack
- PSU included

Product Code: PAMIC

Goose Neck Microphone

- Chime facility
- Goose neck adjustable shaft
- Push to talk button
- Stainless steel
- 6.3mm jack
- PSU included

Product Code: PAMCH

Volume Control

- Stainless steel
- 30 Watts
- Fits on single gang back box

Product Code: PACSS

Volume Control

- Plastic construction
- 30 Watts
- Fits on single gang back box

Product Code: PAVCP

- PA63XLIZ 6.3mm to XLR adaptor (Supplied separately)
Camera Information

<table>
<thead>
<tr>
<th>Camera number</th>
<th>Location</th>
<th>Indoors or Outdoors</th>
<th>Is Infra Red Lighting required?</th>
<th>Camera type preference</th>
<th>Observation, recognition or ID view?</th>
<th>Width of area viewed [mtrs]</th>
<th>Distance to object viewed [mtrs]</th>
<th>Cable run to control room [mtrs]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If a standard fixed camera is not suitable, or non standard camera mounting is required, please indicate requirements below.

Control Room Information

Remote Access Requirements:

Internet/Mobile Details:

How long are recordings to be kept?

How many pictures per second? (each camera)

Days/hours per week to record?

Other specific requirements:

Survey form completed by: ____________________________ Date: ____________

Information above certified correct by: ____________________________ Date: ____________
Camera Information

<table>
<thead>
<tr>
<th>Camera number</th>
<th>Location</th>
<th>Indoors or Outdoors</th>
<th>Is Infra Red Lighting required?</th>
<th>Camera type preference</th>
<th>Observation, recognition or ID view?</th>
<th>Width of area viewed (mtrs)</th>
<th>Distance to object viewed (mtrs)</th>
<th>Cable run to control room (mtrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If a standard fixed camera is not suitable, or non standard camera mounting is required, please indicate requirements below.

Control Room Information

Remote Access Requirements:

<table>
<thead>
<tr>
<th>None</th>
<th>Internal LAN Network</th>
<th>Internet</th>
<th>Mobile Telephone</th>
</tr>
</thead>
</table>

Internet/Mobile Details:

<table>
<thead>
<tr>
<th>Own router used</th>
<th>New router required</th>
<th>Router programming assistance required</th>
<th>Other details</th>
</tr>
</thead>
</table>

How long are recordings to be kept?

<table>
<thead>
<tr>
<th>1 day</th>
<th>3 days</th>
<th>1 week</th>
<th>2 weeks</th>
<th>1 month</th>
<th>Other</th>
</tr>
</thead>
</table>

How many pictures per second? (each camera)

<table>
<thead>
<tr>
<th>1PPS</th>
<th>5PPS</th>
<th>10PPS</th>
<th>25PPS</th>
<th>Alarm or continuous recording</th>
</tr>
</thead>
</table>

Days/hours per week to record?

Number of Monitors required?

Other specific requirements:

Survey form completed by: [Signature] Date: [Date]

Information above certified correct by: [Signature] Date: [Date]
# Door Entry System Survey Sheet

Please complete all questions that are relevant to your system.

## System Type

<table>
<thead>
<tr>
<th>No. of (handsets) ways</th>
<th>No. of Panels</th>
</tr>
</thead>
</table>

### Standard

<table>
<thead>
<tr>
<th>Feature</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Surface</td>
<td></td>
</tr>
<tr>
<td>Audio Flush</td>
<td></td>
</tr>
<tr>
<td>B/W Video Surface</td>
<td></td>
</tr>
<tr>
<td>B/W Video Flush</td>
<td></td>
</tr>
<tr>
<td>Colour Video Surface</td>
<td></td>
</tr>
<tr>
<td>Colour Video Flush</td>
<td></td>
</tr>
</tbody>
</table>

### Vandal Resistant

<table>
<thead>
<tr>
<th>Feature</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Surface</td>
<td></td>
</tr>
<tr>
<td>Audio Flush</td>
<td></td>
</tr>
<tr>
<td>B/W Video Surface</td>
<td></td>
</tr>
<tr>
<td>B/W Video Flush</td>
<td></td>
</tr>
<tr>
<td>Colour Video Surface</td>
<td></td>
</tr>
<tr>
<td>Colour Video Flush</td>
<td></td>
</tr>
</tbody>
</table>

## Additional Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Coded Access (keypad)</td>
<td></td>
</tr>
<tr>
<td>Handset Mute</td>
<td></td>
</tr>
<tr>
<td>Proximity</td>
<td></td>
</tr>
<tr>
<td>Number of Readers</td>
<td></td>
</tr>
<tr>
<td>Stand Alone or PC Based</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Trades Facility</td>
<td></td>
</tr>
<tr>
<td>Intercommunication Handset</td>
<td></td>
</tr>
<tr>
<td>Number of fobs cards</td>
<td></td>
</tr>
</tbody>
</table>

## Releasing the Door/Gate

<table>
<thead>
<tr>
<th>Feature</th>
<th>No. of Releasing Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden Doors</td>
<td></td>
</tr>
<tr>
<td>Metal Doors</td>
<td></td>
</tr>
<tr>
<td>All glass Doors</td>
<td></td>
</tr>
<tr>
<td>UPVC Doors</td>
<td></td>
</tr>
<tr>
<td>Double Doors</td>
<td></td>
</tr>
<tr>
<td>Automated Gates</td>
<td></td>
</tr>
<tr>
<td>Non Automated Gates</td>
<td></td>
</tr>
</tbody>
</table>

### Number of Releases

<table>
<thead>
<tr>
<th>Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Lock Release</td>
<td></td>
</tr>
<tr>
<td>Maglock</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Power Requirements</td>
<td></td>
</tr>
<tr>
<td>(lock release only)</td>
<td></td>
</tr>
<tr>
<td>Fail Secure</td>
<td></td>
</tr>
<tr>
<td>Failsafe</td>
<td></td>
</tr>
</tbody>
</table>

## Extra Information

<table>
<thead>
<tr>
<th>Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Cables (if any)</td>
<td></td>
</tr>
<tr>
<td>Longest Cable Run</td>
<td></td>
</tr>
<tr>
<td>(Panel to furthest handset)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Requirements</td>
<td></td>
</tr>
</tbody>
</table>

---

[Fortessa Logo]
Further Information

For any assistance completing this form please call 01253 791888.

Please complete and return to Audio Visual Security via Fax: 01253 791887 or email sales.avs@adivision.co.uk
# Door Entry System Survey Sheet

<table>
<thead>
<tr>
<th>System Type</th>
<th>No. of Panels</th>
<th>Vandal Resistant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio Surface</td>
<td></td>
<td>Audio Surface</td>
</tr>
<tr>
<td>Audio Flush</td>
<td></td>
<td>Audio Flush</td>
</tr>
<tr>
<td>B/W Video Surface</td>
<td></td>
<td>B/W Video Surface</td>
</tr>
<tr>
<td>B/W Video Flush</td>
<td></td>
<td>B/W Video Flush</td>
</tr>
<tr>
<td>Colour Video Surface</td>
<td></td>
<td>Colour Video Surface</td>
</tr>
<tr>
<td>Colour Video Flush</td>
<td></td>
<td>Colour Video Flush</td>
</tr>
<tr>
<td>Vandal Resistant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio Surface</td>
<td></td>
<td>Audio Surface</td>
</tr>
<tr>
<td>Audio Flush</td>
<td></td>
<td>Audio Flush</td>
</tr>
<tr>
<td>B/W Video Surface</td>
<td></td>
<td>B/W Video Surface</td>
</tr>
<tr>
<td>B/W Video Flush</td>
<td></td>
<td>B/W Video Flush</td>
</tr>
<tr>
<td>Colour Video Surface</td>
<td></td>
<td>Colour Video Surface</td>
</tr>
<tr>
<td>Colour Video Flush</td>
<td></td>
<td>Colour Video Flush</td>
</tr>
</tbody>
</table>

## Additional Requirements

<table>
<thead>
<tr>
<th>Coded Access (keypad)</th>
<th>Trades Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handset Mute</td>
<td>Intercommunication Handset</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proximity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Readers</td>
</tr>
</tbody>
</table>

## Releasing the Door/Gate

<table>
<thead>
<tr>
<th>Number of door/gates</th>
<th>inwards/outwards /swing</th>
<th>Number of Releases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden Doors</td>
<td></td>
<td>Standard Lock Release</td>
</tr>
<tr>
<td>Metal Doors</td>
<td></td>
<td>Maglock</td>
</tr>
<tr>
<td>All glass Doors</td>
<td></td>
<td>Other</td>
</tr>
<tr>
<td>UPVC Doors</td>
<td></td>
<td>Power Requirements</td>
</tr>
<tr>
<td>Double Doors</td>
<td></td>
<td>(lock release only)</td>
</tr>
<tr>
<td>Automated Gates</td>
<td></td>
<td>Fail Secure</td>
</tr>
<tr>
<td>Non Automated Gates</td>
<td></td>
<td>Failsafe</td>
</tr>
</tbody>
</table>

## Extra Information

<table>
<thead>
<tr>
<th>Existing Cables (if any)</th>
<th>Cable Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Longest Cable Run</td>
<td></td>
</tr>
<tr>
<td>(Panel to furthest handset)</td>
<td></td>
</tr>
<tr>
<td>Part code</td>
<td>Page</td>
</tr>
<tr>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>DGCP</td>
<td>35</td>
</tr>
<tr>
<td>DLFS</td>
<td>33</td>
</tr>
<tr>
<td>DLU1</td>
<td>33</td>
</tr>
<tr>
<td>FT1122/A</td>
<td>35</td>
</tr>
<tr>
<td>FT1184/A</td>
<td>35</td>
</tr>
<tr>
<td>FT2608W/A</td>
<td>21</td>
</tr>
<tr>
<td>FT3188</td>
<td>22</td>
</tr>
<tr>
<td>FT3328</td>
<td>22</td>
</tr>
<tr>
<td>FT5801B</td>
<td>24</td>
</tr>
<tr>
<td>FT5801DB</td>
<td>23</td>
</tr>
<tr>
<td>FT5802B</td>
<td>24</td>
</tr>
<tr>
<td>FT5802DB</td>
<td>23</td>
</tr>
<tr>
<td>FT9000M</td>
<td>22</td>
</tr>
<tr>
<td>FT9000VRM</td>
<td>22</td>
</tr>
<tr>
<td>FTBC2P</td>
<td>28</td>
</tr>
<tr>
<td>FTBC2S</td>
<td>28</td>
</tr>
<tr>
<td>FTBCARD10</td>
<td>31</td>
</tr>
<tr>
<td>FTBCTRL</td>
<td>30</td>
</tr>
<tr>
<td>FTBCTRLN</td>
<td>30</td>
</tr>
<tr>
<td>FTBDOT10</td>
<td>31</td>
</tr>
<tr>
<td>FTBFOB10</td>
<td>31</td>
</tr>
<tr>
<td>FTBREAD</td>
<td>30</td>
</tr>
<tr>
<td>FTBREAD/P</td>
<td>30</td>
</tr>
<tr>
<td>FTBREAD/S</td>
<td>30</td>
</tr>
<tr>
<td>FTBSOFTP</td>
<td>31</td>
</tr>
<tr>
<td>FTBTOUCH</td>
<td>34</td>
</tr>
<tr>
<td>FTBUS8</td>
<td>31</td>
</tr>
<tr>
<td>FTCL1</td>
<td>27</td>
</tr>
<tr>
<td>FTDS</td>
<td>21</td>
</tr>
<tr>
<td>FTDS1</td>
<td>21</td>
</tr>
<tr>
<td>FTDS2</td>
<td>21</td>
</tr>
<tr>
<td>FTDS3</td>
<td>21</td>
</tr>
<tr>
<td>FTDVS</td>
<td>23</td>
</tr>
<tr>
<td>FTDVS/C</td>
<td>23</td>
</tr>
<tr>
<td>FTDVS1/C</td>
<td>23</td>
</tr>
<tr>
<td>FTDVS2/C</td>
<td>23</td>
</tr>
<tr>
<td>FTEB1</td>
<td>34</td>
</tr>
<tr>
<td>FTEB2</td>
<td>34</td>
</tr>
<tr>
<td>FTEB3</td>
<td>34</td>
</tr>
<tr>
<td>FTEDF</td>
<td>35</td>
</tr>
<tr>
<td>FTEDTF</td>
<td>35</td>
</tr>
<tr>
<td>FTED5</td>
<td>35</td>
</tr>
<tr>
<td>FTEDTS</td>
<td>35</td>
</tr>
<tr>
<td>FTEDTF</td>
<td>35</td>
</tr>
<tr>
<td>FTIN2</td>
<td>26</td>
</tr>
<tr>
<td>FTIN3</td>
<td>26</td>
</tr>
<tr>
<td>FTIN4</td>
<td>26</td>
</tr>
<tr>
<td>FTIN5</td>
<td>26</td>
</tr>
<tr>
<td>FTIN6</td>
<td>26</td>
</tr>
<tr>
<td>FTIN7</td>
<td>26</td>
</tr>
<tr>
<td>FTK1</td>
<td>27</td>
</tr>
<tr>
<td>FTK2</td>
<td>27</td>
</tr>
<tr>
<td>FTK3</td>
<td>27</td>
</tr>
<tr>
<td>FTK4</td>
<td>27</td>
</tr>
<tr>
<td>FTM250</td>
<td>33</td>
</tr>
<tr>
<td>FTM500</td>
<td>33</td>
</tr>
<tr>
<td>FTPSU1</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU2</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU3</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU5</td>
<td>36</td>
</tr>
<tr>
<td>FTS1</td>
<td>22</td>
</tr>
<tr>
<td>FTS2</td>
<td>22</td>
</tr>
<tr>
<td>FTS3</td>
<td>22</td>
</tr>
<tr>
<td>FTVCRF</td>
<td>25</td>
</tr>
<tr>
<td>FTVS1/C</td>
<td>24</td>
</tr>
<tr>
<td>FTVS2/C</td>
<td>24</td>
</tr>
<tr>
<td>FTVS3/C</td>
<td>24</td>
</tr>
<tr>
<td>PA120AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA240AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA320WS</td>
<td>38</td>
</tr>
<tr>
<td>PA40AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA516WP</td>
<td>38</td>
</tr>
<tr>
<td>PACS</td>
<td>38</td>
</tr>
<tr>
<td>PACSM</td>
<td>38</td>
</tr>
<tr>
<td>PACCST</td>
<td>40</td>
</tr>
<tr>
<td>PAMCH</td>
<td>40</td>
</tr>
<tr>
<td>PAMIC</td>
<td>40</td>
</tr>
<tr>
<td>PASPB</td>
<td>39</td>
</tr>
<tr>
<td>PASPW</td>
<td>39</td>
</tr>
<tr>
<td>PAVCP</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part code</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTIN</td>
<td>26</td>
</tr>
<tr>
<td>FTK1</td>
<td>27</td>
</tr>
<tr>
<td>FTK2</td>
<td>27</td>
</tr>
<tr>
<td>FTK3</td>
<td>27</td>
</tr>
<tr>
<td>FTK4</td>
<td>27</td>
</tr>
<tr>
<td>FTM250</td>
<td>33</td>
</tr>
<tr>
<td>FTM500</td>
<td>33</td>
</tr>
<tr>
<td>FTPSU1</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU2</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU3</td>
<td>36</td>
</tr>
<tr>
<td>FTPSU5</td>
<td>36</td>
</tr>
<tr>
<td>FTS1</td>
<td>22</td>
</tr>
<tr>
<td>FTS2</td>
<td>22</td>
</tr>
<tr>
<td>FTS3</td>
<td>22</td>
</tr>
<tr>
<td>FTVCRF</td>
<td>25</td>
</tr>
<tr>
<td>FTVS1/C</td>
<td>24</td>
</tr>
<tr>
<td>FTVS2/C</td>
<td>24</td>
</tr>
<tr>
<td>FTVS3/C</td>
<td>24</td>
</tr>
<tr>
<td>PA120AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA240AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA320WS</td>
<td>38</td>
</tr>
<tr>
<td>PA40AMP</td>
<td>39</td>
</tr>
<tr>
<td>PA516WP</td>
<td>38</td>
</tr>
<tr>
<td>PACS</td>
<td>38</td>
</tr>
<tr>
<td>PACSM</td>
<td>38</td>
</tr>
<tr>
<td>PACCST</td>
<td>40</td>
</tr>
<tr>
<td>PAMCH</td>
<td>40</td>
</tr>
<tr>
<td>PAMIC</td>
<td>40</td>
</tr>
<tr>
<td>PASPB</td>
<td>39</td>
</tr>
<tr>
<td>PASPW</td>
<td>39</td>
</tr>
<tr>
<td>PAVCP</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part code</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VK/PS/P250</td>
<td>18</td>
</tr>
<tr>
<td>VK20</td>
<td>17</td>
</tr>
<tr>
<td>VK20E</td>
<td>17</td>
</tr>
<tr>
<td>VKBCT</td>
<td>19</td>
</tr>
<tr>
<td>VKCABPSU</td>
<td>18</td>
</tr>
<tr>
<td>VKD1DVR16</td>
<td>15</td>
</tr>
<tr>
<td>VKD1DVR4</td>
<td>15</td>
</tr>
<tr>
<td>VKD1DVR8</td>
<td>15</td>
</tr>
<tr>
<td>VKDBULL</td>
<td>13</td>
</tr>
<tr>
<td>VKDDOM</td>
<td>13</td>
</tr>
<tr>
<td>VKDEXT</td>
<td>13</td>
</tr>
<tr>
<td>VKDINT</td>
<td>13</td>
</tr>
<tr>
<td>VKFCB1</td>
<td>10</td>
</tr>
<tr>
<td>VKFCE1</td>
<td>10</td>
</tr>
<tr>
<td>VKFCE2</td>
<td>10</td>
</tr>
<tr>
<td>VKFCED</td>
<td>11</td>
</tr>
<tr>
<td>VKFCEDV</td>
<td>11</td>
</tr>
<tr>
<td>VKFCEDVH</td>
<td>11</td>
</tr>
<tr>
<td>VKFCID</td>
<td>10</td>
</tr>
<tr>
<td>VKFCIDH</td>
<td>11</td>
</tr>
<tr>
<td>VKFCSD</td>
<td>12</td>
</tr>
<tr>
<td>VKFJ</td>
<td>12</td>
</tr>
<tr>
<td>VKFK4B</td>
<td>6</td>
</tr>
<tr>
<td>VKFWCE</td>
<td>7</td>
</tr>
<tr>
<td>VKFWCI</td>
<td>7</td>
</tr>
<tr>
<td>VKFWK1</td>
<td>7</td>
</tr>
<tr>
<td>VK8CH15LCD/4(B/D)</td>
<td>4</td>
</tr>
<tr>
<td>VKLCD19/4</td>
<td>5</td>
</tr>
<tr>
<td>VKLCD19DVR</td>
<td>16</td>
</tr>
<tr>
<td>VKMLCD17X</td>
<td>17</td>
</tr>
<tr>
<td>VKPSU16</td>
<td>19</td>
</tr>
<tr>
<td>VKPSU4</td>
<td>18</td>
</tr>
<tr>
<td>VKPSU9</td>
<td>19</td>
</tr>
<tr>
<td>VKRC</td>
<td>19</td>
</tr>
<tr>
<td>VKG</td>
<td>17</td>
</tr>
<tr>
<td>VKRGC</td>
<td>18</td>
</tr>
</tbody>
</table>
Audio Visual Security,
10 Sandersons Way,
Marton, Blackpool,
FY4 4NB

Telephone: 01253 791888
Technical Helpline: 01253 792898
Fax: 01253 791887

Email: enquiries.avs@adivision.co.uk
www.audiovisualsecurity.org.uk

E&EO. Whilst every effort has been made to ensure accuracy, no liability is accepted for the consequences of any errors or omissions in this catalogue.