Unparalleled security surveillance efficacy and reliability, hyped up further to flexibly adapt to commercial standards

Expertly converging five (5) fastidiously designed security surveillance devices, the Aztech Analog CCTV Cameras is an excellent ally to small / medium / large enterprises looking for a highly capable and feature rich analog camera solution.

Solution Benefits

- **Exceptional Focus and Sensors combined with Remarkable Features.** Each analog camera in the Aztech Analog CCTV Cameras is equipped with a 2.8-12mm focus length and CCD sensors capable of providing commendable high-definition videos and images, and or real-time video feeds. These are complimented further by camera features perfectly suited for commercial demands requiring constant high-definition color sharpness and dependable day/night security surveillance quality.

- **Optimized Indoor and Outdoor Camera Designs.** For wall or ceiling mount, each analog camera is consistently designed to excellently comply to a diversity of commercial needs. The Aztech Analog CCTV Cameras offers commendable indoor and outdoor cameras which would advantagely conform to your customer’s overall security surveillance needs.

- **High-Calibre Reliability and Performance.** With each analog camera’s design for around the clock usage and its impressive combination with the customer’s preferred Digital Video Recorder (DVR), the Aztech Analog CCTV Cameras constantly ensures reliability and persistent compatibility to any of your customer’s varying surveillance demands.

- **Impressive Security Surveillance Scalability.** Depending on the network size needed by your customer and the constant expansion flexibility provided by each Digital Video Recorder (DVR), allow your customers to constantly expand their security surveillance needs through each DVR’s camera capacity and enjoy storage competency with each DVR’s multiple SATA HDD Support for current or future storage use or expansion.

- **Remote Accessibility Options Wherever you Go.** Each camera and DVR within the Aztech Analog CCTV Cameras completely support remote viewing. Using a smartphone or any web browser, allow your customers to view real time area surveillance feeds, see recorded videos and or captured area snapshots.

- **Easy Installation and Use.** Aimed to cater for your customer’s surveillance needs, Aztech Analog CCTV Cameras implement an easy to setup and deploy feature which handily allows your customers to smoothly install the entire solution without too much hassle and internal configurations involved.
### Analog Cameras Specifications

#### ACM102

**DOME CAMERA**

- **General**
  - Dimensions: 43(W) x 43(H) x 93(D) mm
  - Weight: 1.6Kg
  - IP66 Weatherproof Housing
  - Focus Control: Manual
  - Lens Type: Manual
  - Pixels: 2M Pixels
  - S/N Ratio: ≥ 52dB
  - Focus Length: 2.8-12mm (6-22mm Optional)
  - Resolution: 700 TV Lines
  - Effective Pixels: 796 x 582 (V)
  - TV System: PAL / NTSC
  - Electronic Shutter: Auto: PAL / NTSC
  - Sync System: Internal
  - Usable Illumination: 0.001 Lux
  - Gamma Correction: 0.45
  - Composite Signal: 1.0Vp-p, 75Ω
  - UTC Support
  - Privacy Masking
  - 2D Noise Reduction
  - Picture Adjustment
  - UDC Support

- **Camera Features**
  - Color / B&W Day/Night
  - Smart IR
  - Wide Dynamic
  - Backlight Compensation
  - Auto White Balance
  - Auto Gain Control
  - 2D Noise Reduction
  - Privacy Masking
  - Picture Adjustment
  - UDC Support

#### ACM202

**BULLET CAMERA**

- **General**
  - Dimensions: 291(W) x 90(H) x 93(D) mm
  - Weight: 1.6Kg
  - IP66 Weatherproof Housing
  - 3 - Axis Anti-Cut Bracket
  - Dual Voltage Support (Optional)
  - Heater Support (Optional)
  - Focus Control: Manual
  - Lens Type: Manual
  - Pixels: 2M Pixels
  - S/N Ratio: ≥ 52dB
  - Focus Length: 2.8-12mm (6-22mm Optional)
  - Resolution: 700 TV Lines
  - Effective Pixels: 796 x 582 (V)
  - TV System: PAL / NTSC
  - Electronic Shutter: Auto: PAL / NTSC
  - Sync System: Internal
  - Usable Illumination: 0.001 Lux
  - Gamma Correction: 0.45
  - Electronic Shutter Times: Auto: PAL / NTSC
  - Weight: 1.6Kg
  - Dimensions: 291(W) x 90(H) x 93(D) mm

- **Camera Features**
  - Color / B&W Day/Night
  - Smart IR
  - Wide Dynamic
  - Backlight Compensation
  - Auto White Balance
  - Auto Gain Control
  - 2D Noise Reduction
  - Privacy Masking
  - Picture Adjustment
  - UDC Support

### Camera Comparison Table

<table>
<thead>
<tr>
<th>Feature</th>
<th>ACM102</th>
<th>ACM202</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera Type</strong></td>
<td>Dome (700TVL)</td>
<td>Bullet (700TVL)</td>
</tr>
<tr>
<td><strong>Camera Type Features</strong></td>
<td>IP66 Weatherproof Housing</td>
<td>Vanfocal Lens (Manual Zoom) Lens (2.8-12mm Optional) Anti-Cut 3-Axis Bracket Dual Voltage Support (Optional) Heater Support (Optional)</td>
</tr>
<tr>
<td><strong>Sensor</strong></td>
<td>CCD/CMOS : CCD</td>
<td>CCD/CMOS : CCD</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>2.8-12mm (6-22mm Optional)</td>
<td>2.8-12mm (6-22mm Optional)</td>
</tr>
<tr>
<td><strong>Infrared LEDs and Distance</strong></td>
<td>€ 5 X 36 Pieces (Up to 30 meters)</td>
<td>€ 5 X 42 Pieces (Up to 40 meters)</td>
</tr>
<tr>
<td><strong>S/N Ratio</strong></td>
<td>≥ 52dB</td>
<td>≥ 52dB</td>
</tr>
<tr>
<td><strong>Scanning System</strong></td>
<td>2:1 Interface</td>
<td>2:1 Interface</td>
</tr>
</tbody>
</table>

---

Additional features include:

- **Built-in Heater Support**
- **CDS Auto Control**
- **Wide Dynamic Range**
- **Backlight Compensation**
- **Auto White Balance**
- **Auto Gain Control**
- **2D Noise Reduction**
- **Privacy Masking**
- **Picture Adjustment**
- **UTC Support**

---

Aztech Analog CCTV Cameras

- **Superb outdoor performance and first-rate user features.** The ACM202 is a 700 TV Line Bullet IP Camera with an IP66 ingress protection that ensures dust-tight and water jet resistant qualities. A perfect partner for users who are in need of an outdoor camera that can withstand several dust and weather conditions. With its 700TV Line support, CXD4140AGG signal processing LSI, and ICX811AK interline CCD image processor, the ACM202 is capable of recording high quality videos complemented by distinguished light sensitivity, and user-rich features.

---

High quality video details enabled by superior indoor surveillance performance. The ACM102 is an indoor 700 TV Line dome surveillance camera which utilizes the CXD4140AGG for signal processing LSI, and an ICX811AK interline CCD image processor to record high quality detailed videos complemented by distinguished light sensitivity, and user-rich features.
**DVR Specifications**

**Aztech DVR2032**
- Dimensions: 440mm × 325mm × 65mm
- Weight: 4.9Kg

**Input/Output**
- Compression Method: H.264
- BNC: (8) CH In / (1) CH Out, VGA: (1) CH Out, HDMI: (1) CH Out
- Real Time Recording Support:
  - CIF: 255-260 with 240 Fps (NTSC), 352×288 with 200 Fps (PAL)
  - D1: 720×576 with 260 Fps (NTSC), 704×576 with 200 Fps (PAL)
  - 960H: 960×480 with 240 Fps (NTSC), 940×576 with 200 Fps (PAL)

**Resolution**
- Preview Resolution:
  - 720 × 480 (NTSC)
  - 704 × 576 (PAL)
- Playback Resolution: 960H × 4

**Others**
- Hexaplex Simultaneous Operation:
  - Preview
  - Recording
  - Playback
- Interface: [1] RJ-45 Ethernet Connector
- Network Functions:
  - Static and Dynamic IP
  - DDNS
  - Supports Internet Explorer
  - Special Client Software
- Pan / Tilt / Zoom: [PTZ]
  - [1] RS485
  - [2] USB

**System**
- Main Processor: ARM Cortex A9 Dual Core Processor [Hi3521]
- Main Processor: [Hi3521]
- Operating System: LINUX Embedded

**Video**
- Input: (16) Channel, BNC: [1.0 Vp-p, 75Ω]
- Output: (1) TV, (1) VGA, (1) HDMI

**Audio**
- Input: (16) Channel, RCA
- Two-Way Audio: (1) Channel, RCA

**Alarm**
- Sensor Inputs: (4) Channel
- Output: (16) Channel Output
- Motion Detection: [16] Channel
- Trigger Events: Recording, PTZ, Tour, Alarm, Video Search, Email, Screen tips
- Email Alarm: Send Pieces to the Designated E-mail

**PTZ**
- Interface: RS485
- Protocol: Pelco-D, Pelco-P, Sony
- Sharp, Panasonic, Samsung and Other Protocols
- Baud Rates: 110 ~ 921600
- Address: 0 ~ 255

**Display**
- TV: (BNC [1.0 Vp-p, 75Ω], Resolution: PAL: 704 × 576, NTSC: 704 × 480)
- VGA: Resolution: 800 × 600, 1024 × 768, 1280 × 1024
- HDMI Resolution: 1080P (1920 × 1080)
- Privacy Masking: [4] Rectangular Zones (Each camera)
- OSD: Camera Title, Time, Video loss, Alarm, Motion detection, Recording

**Recording**
- Video Compression: H.264
- Audio Compression: ADPCM
- RS485 Interface:
  - PAL: 960H (960 × 576), D1 (704 × 576), CIF (352 × 288)
  - NTSC: 960H (960 × 480), D1 (720 × 480), CIF (352 × 240)
- Manual / Timer / Motion Detection / Sensor

**Playback and Backup**
- Sync Playback: (4) Channel / [1] Channel
- Search Modes: ALL, Channel, Manual, Time, Date, Motion Detection, Sensor
- Backup Modes: USB Device / Network (Support Back up to AVI Directly)

**Network**
- Interface Type: RJ-45 10M/100M/1000M Ethernet Interface
- Network Functions: HTTP, IPv4, TCP/IP, SMTP, DHCP, DNS, PPPOE, DDNS
- Web Browser: Internet Explorer 6-10, Firefox, Chrome
- Extra Stream: CIF / GOP (1-20fps)

**External Interfaces**
- Hard Disk: [1] SATA (Up to 4TB)
- Backup: USB 2.0 and Network
- Remote View: Mobile Phone [Supported]

The Aztech DVR2032 is a 32 channel Linux embedded Digital Video Recorder (DVR) that is capable of recording CIF, D1, or 960H analog videos. Equipped with an ARM Cortex A9 Dual Core Processor (Hi3521), the DVR2032 is entirely energy efficient and has the capacity to continuously support peak recording performance even with 32 channels consistently being managed. This makes the DVR2032 the best partner for small offices, multi-floor houses, and other small-scale commercial usages requiring an effective means of video surveillance.
# DVR Comparison Table

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>DVR2008</th>
<th>DVR2016</th>
<th>DVR2032</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Channels Supported</strong></td>
<td>8</td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td><strong>Video Compression / Coding Format</strong></td>
<td>H.264</td>
<td>H.264</td>
<td>CIF</td>
</tr>
<tr>
<td><strong>Preview Resolution</strong></td>
<td>960×480 (NTSC), 960×576 (PAL)</td>
<td>PAL: 960H (960 × 576), D1 (704 × 576), CIF (352 × 298)</td>
<td>NTSC: 960H (960 × 480), D1 (720 × 480), CIF (352 × 240)</td>
</tr>
<tr>
<td><strong>Recording Rates</strong></td>
<td>CIF: 352×240 with 240 Fps (NTSC), 352×288 with 200 Fps (PAL)</td>
<td>PAL: 960H @ 400fps, D1 @ 400fps, CIF @ 400fps</td>
<td>NTSC: 960H @ 480fps, D1 @ 480fps, CIF @ 400fps</td>
</tr>
<tr>
<td><strong>Trigger Events</strong></td>
<td>Manual / Timer / Motion Detection / Sensor</td>
<td>Manual / Timer / Motion Detection / Sensor</td>
<td>Manual / Timer / Video Blind / Video Loss</td>
</tr>
<tr>
<td><strong>Hard Disk</strong></td>
<td>[1] SATA (Up to 4TB)</td>
<td>[2] SATA InterFace (Up to 8TB)</td>
<td>[4] SATA HDD (Up to 16TB)</td>
</tr>
<tr>
<td><strong>Backup Options</strong></td>
<td>USB 2.0 and Network</td>
<td>USB Device / Network (Support Back up to AVI Directly)</td>
<td>USB Backup</td>
</tr>
<tr>
<td><strong>Remote View</strong></td>
<td>Mobile / Web Browser</td>
<td>Mobile / Web Browser</td>
<td>Mobile / Web Browser</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>12V/3A</td>
<td>12V/5A</td>
<td>12V/6A</td>
</tr>
</tbody>
</table>

## Product Deployment

![Diagram of product deployment](image)