Clear, Sharp Video with Auto Tracking of Speaker

Motion Detection & Face Recognition

Smooth Control
High-precision Tracking by Motion Detection and Face Recognition

"Motion Detection" and "Face Recognition" used for high-precision auto tracking with minimum tracking error

The use of high-performance "Motion Detection" and high-accuracy "Face Recognition" enables high-precision auto tracking of the subject with minimum tracking error regardless of the direction the person is facing, even in situations where a lecturer is writing on a blackboard with his/her back to the camera. In addition, since this function does detection/tracking with streaming video from the camera, it is not necessary to have the video capture board needed for capture on a PC. This reduces the processing load for video capture, thereby eliminating the need for a high-performance PC.

GUI for intuitive setting

The auto-tracking settings can be easily made with an intuitive GUI only with the necessary icons to minimize the setting up labor and assist smooth operation. Tracking adjustment tools, such as masking, limiters, tracking disable zone and sensitivity level adjustment, are also available.

Using IP-based software to support remote operation

Adoption of IP-based software brought system flexibility and it achieved IP connection (IP streaming/IP control), installation/operation of camera in classroom in remote location.

Simple, low-cost installation to easily migrate to the existing system without additional devices

If Auto Tracking Software is installed on a PC*1 or Server, it is possible to easily set up an auto tracking system by connecting an AW-UE70W/K 4K integrated camera or an AW-HE40 Series or AW-HE130W/K HD integrated camera. New installation of sensors and other equipment are not necessary. Since the system configuration is simple and new devices do not need to be added, the initial cost can be reduced.

AW-SF100 has standalone and Web application versions to choose from; AW-SF200 operates on a server

You can choose to use AW-SF100 as a Web application, so it also supports control from a tablet, smartphone, desktop PC, etc. Providing centralized control of multiple cameras, AW-SF200 uses a floating license for flexible operations matched to the user environment.

Software key usage examples

AW-SF100
With auto tracking, full-time manual tracking is not necessary. Auto tracking remote camera can record dynamic video with simple operations.

AW-SF200
Simultaneous auto tracking and centralized control of multiple cameras are possible. A server and simplified operations enable efficient lecture capture in multiple classrooms.
**AW-SF200 system example: Lecture capture of entire school**

Use of central servers for simultaneous auto tracking and centralized control of multiple cameras in a large hall and cameras in multiple classrooms.

Example of System Configuration

- **Main Server**
  - License can be used in combination of AW-SF200 (basic license), AW-SF202 (+2 cameras), and AW-SF203 (+3 cameras).*

- **Viewer**
  - System expansion is possible in accordance with the number of cameras to perform tracking.

- **Extra Server**

* For more details on additional licenses for AW-SF202 and AW-SF203, please visit the following website (http://pro-av.panasonic.net/en/products/aw-sf100g/).

**AW-SF100 system example: Lecture capture of a classroom**

Auto tracking and control of one camera with one PC.

Example of System Configuration

- **SDI LAN**
- **LAN**
- **PoE+ HUB**
- **Lecture Room**
- **Monitoring Room**
- **HD Integrated Camera AW-HE130W**
- **Live Streaming System**

Control on the main server

Control on the extra server

Example of System Configuration (WEB Application)

- **SDI or HDMI LAN**
- **LAN**
- **PoE+ HUB**
- **Lecture Room**
- **Monitoring Room**
- **HD Integrated Camera AW-HE130W**
- **Memory Card Recorder AJ-PG50**
- **Tracking PC**
- **Remote Camera Controller AW-RP50**

**Various applications of Auto Tracking**

- Lectures
- Presentations
- News studio
- In-company training
- Press conference
For external control, API is released supporting connection with a variety of devices. [http://pro-av.panasonic.net/en/pass/remote.html](http://pro-av.panasonic.net/en/pass/remote.html)

For more information, please visit Panasonic web site [http://pro-av.panasonic.net/](http://pro-av.panasonic.net/)

* Specifications are subject to change without notice.

---

**AW-SF100**

**Requirements**

**CPU:** Core i5-3320M (2.60 GHz) or above  
**Memory:** 4 GB or above  
**Display Resolution:** 1600 x 900 or higher  
**OS:** Windows 7 Professional (SP1), Ultimate (SP1) 32 bit/64 bit  
**Windows 8.1 32 bit/64 bit**  
**Windows 10 32 bit/64 bit**

**AW-SF200**

**Requirements**

<table>
<thead>
<tr>
<th>Server PC</th>
<th>Client PC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU:</strong></td>
<td><strong>CPU:</strong></td>
</tr>
<tr>
<td>Xeon E5-2640 v4 2.40 GHz 1P/10C or above</td>
<td>Core i5-3320M (2.60 GHz) or above</td>
</tr>
<tr>
<td><strong>Memory:</strong></td>
<td><strong>Memory:</strong></td>
</tr>
<tr>
<td>8 GB or above</td>
<td>8 GB or above</td>
</tr>
<tr>
<td><strong>Display Resolution:</strong></td>
<td><strong>Display Resolution:</strong></td>
</tr>
<tr>
<td>1920 x 1080 or higher</td>
<td>1920 x 1080 or higher</td>
</tr>
<tr>
<td><strong>Web browser:</strong></td>
<td><strong>Web browser:</strong></td>
</tr>
<tr>
<td>Google Chrome</td>
<td>Google Chrome</td>
</tr>
</tbody>
</table>

---

**4K / HD Integrated Camera Lineup (indoor use only)**

- **4K Integrated Camera**
  - AW-UE70W [White Model]
  - AW-UE70K [Black Model]

- **HD Integrated Camera**
  - AW-HE130W [White Model]
  - AW-HE130K [Black Model]

- **Remote Camera Controller**
  - AW-HE40SW [SDI/White Model]
  - AW-HE40SK [SDI/Black Model]
  - AW-HE40HW [HDMI/White Model]
  - AW-HE40HK [HDMI/Black Model]

---

**Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party’s peripherals.)**