Avonic’s CamDirector® Teacher Tracker is a unique tracking solution that creates automatic multi camera video registrations of lectures. It can automatically find the teacher in a room with students and provides elegant close-ups of the teacher, even in large lecture halls and auditoriums.

The live video output automatically switches between overview shots of the classroom and close-ups of the teacher. With the CamDirector® Teacher Tracker Software Avonic sets the new standard for automated lecture recordings.

Applications
- Remote learning
- Hybrid Education
- Lecture Recordings
- HyFlex Rooms
- Online classes

FEATURES

- Hassle-free lectures
  The system runs automatically when a lecture starts without the need to wear distracting equipment. Let teachers focus on teaching instead of technology.

- Consistent and accurate tracking
  By harnessing the strength of the two-camera approach, the CamDirector® 99% of the time provides an accurate and consistent tracking solution.

- Privacy Guaranteed
  The CamDirector® Teacher Tracker is built around privacy. All image processing is done locally without the need to be connected to the internet. We give you the tools to set privacy settings according to your own standards.

- An ever-evolving AI solution
  Avonic’s patented machine learning algorithms let the teacher tracker improve over time by learning from every lecture it records. Over-the-air updates allow the software to keep evolving.
SYSTEM SETUP

Maximized ease of integration
The CamDirector® Teacher Tracker is designed for large educational deployments. Installation of the CamDirector® Teacher Tracker is quick and easy with only mounting the 2-camera system to a wall or ceiling and perform a one-time 10 minute setup that allows the system to run for many years independently. Remote monitoring and automatic updating make large deployments easy to manage.

<table>
<thead>
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<th>Product</th>
<th>Output</th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
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<td><strong>Video format</strong></td>
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**Required hardware**
- AV-CD500: CamDirector® AI Processing unit
- 2x AV-CM70-IP-W/B: PTZ Camera 20x zoom
- AV-MT220-W/B: Double Wall Mount

**General Specifications**
- **Distance to the camera**: 3 meter (min) – 55 meters (max)
- **Operating conditions**: Medium to bright light
- **Remote control**: via IP/Network
- **Mounting cameras**: Upright and Upside down

**Optional hardware**
See CD500 Compatible Hardware list in the CD500 manual

**Tracking Principle**
The software is trained to look out for a single speaker in a room with students. When such a speaker is found, a mix of close-up shots and overview shots are presented on the output. In any other case, an overview shot is presented. The effectiveness of tracking algorithms depend on the specific conditions of the room, the persons in the room and their behaviour. Although the Teacher Tracker is trained for many different situations, it never can be guaranteed that it works in every room in every instance.