The use of a second, remote camera of the PoliScan\textsuperscript{speed} system increases the number of possible measuring situations and thus the number of exploitable cases. This ensures a greater fairness of measurement and increases the acceptance of speed enforcement to the benefit of traffic safety.

If the measurement unit of the PoliScan\textsuperscript{speed} system captures a vehicle that is traveling too fast, the triggering signal is sent not only to the system’s own cameras, but to the remote camera as well. Evidential case data sets that hold up in a court of law are created from all available data particularly in difficult measuring situations.

The remote mobile camera in operation
The remote camera consists of a high-resolution camera, flash and utility box. Connected via a stable, long-range WLAN, the remote camera captures images of violations from an additional perspective and sends these to the operating unit. The three sketches are exemplary for the different set-ups. The camera is positioned remotely from the PoliScan\textsuperscript{speed} system by either mounting it on a tripod or placing it on the ground.

Increased fairness of measurement precision through increased number of exploitable cases:
• Documentation of motor cycles with motorcyclist photo and license plate
• Simultaneous monitoring and documentation of violations in both directions of travel
• High-quality vehicle images, even on distant lanes in one direction
• Profile image from the side, not hidden by A-pillar or navigation device

Additional practical advantages
• No calibration required
• Set-up and alignment in just a few minutes
• Secure, encrypted data transfer
• Easy handling and transport

Motorcycles: License plate and motorcyclist image are captured.
Driver images in incoming and outgoing traffic.
Clear driver images on up to five lanes in one direction.
The stationary remote camera
The stationary remote camera is set up on a smaller column in close proximity to the stationary PoliScan<sup>speed</sup> system. Connected via cable to the system, the remote camera captures images of the violation from an additional perspective.

The exemplary set-ups of the system and remote camera shown for the mobile version can also be used with stationary systems.

In the following figure, the stationary PoliScan<sup>speed</sup> system, equipped with two measurement units, measures the speed on up to four lanes in two directions of travel.

The system is connected to two stationary remote cameras in order to receive front and rear images of motorcyclists.

Other than the aspect of increasing traffic safety, the PoliScan<sup>speed</sup> system, in combination with the remote cameras, can contribute effectively to reducing noise pollution on busy motorcycle routes.

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**Technical data for the remote cameras**

<table>
<thead>
<tr>
<th></th>
<th>PoliScan&lt;sup&gt;speed&lt;/sup&gt; mobile</th>
<th>PoliScan&lt;sup&gt;speed&lt;/sup&gt; stationary</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Connectivity</strong></td>
<td>Connected to the system via stable, secure, long-range WLAN.</td>
<td>Connected to the system via cable.</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>High resolution, black-white or color images, 4 million pixels</td>
<td>High resolution, black-white or color images, 4 million pixels</td>
</tr>
<tr>
<td><strong>Flash</strong></td>
<td>High-performance xenon flash, Class 1 for busy routes with high number of cases, optionally with second flash</td>
<td>High-performance xenon flash, Class 1 for busy routes with high number of cases, optionally with second flash</td>
</tr>
<tr>
<td><strong>Utility box</strong></td>
<td>WLAN connection and router, battery for flash and camera (12 VDC)</td>
<td>-</td>
</tr>
<tr>
<td><strong>Protective class</strong></td>
<td>IP 65</td>
<td>IP 65</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>-15°C to +50°C</td>
<td>-30°C to +45°C</td>
</tr>
</tbody>
</table>
| **Weight**           | Camera: 6.9 kg  
Flash: 6.5 kg | Camera: 6.9 kg  
Xenon flash: 4.5 kg  
Column: 84.0 kg |
| **Dimensions**       | Camera: 300 mm x 217 mm x 400 mm  
Flash: 360 mm x 250 mm x 230 mm | Height: from 1850 mm  
Diameter: 420 mm |
| **Setup**            | On tripod                        | Mounted on concrete foundation      |