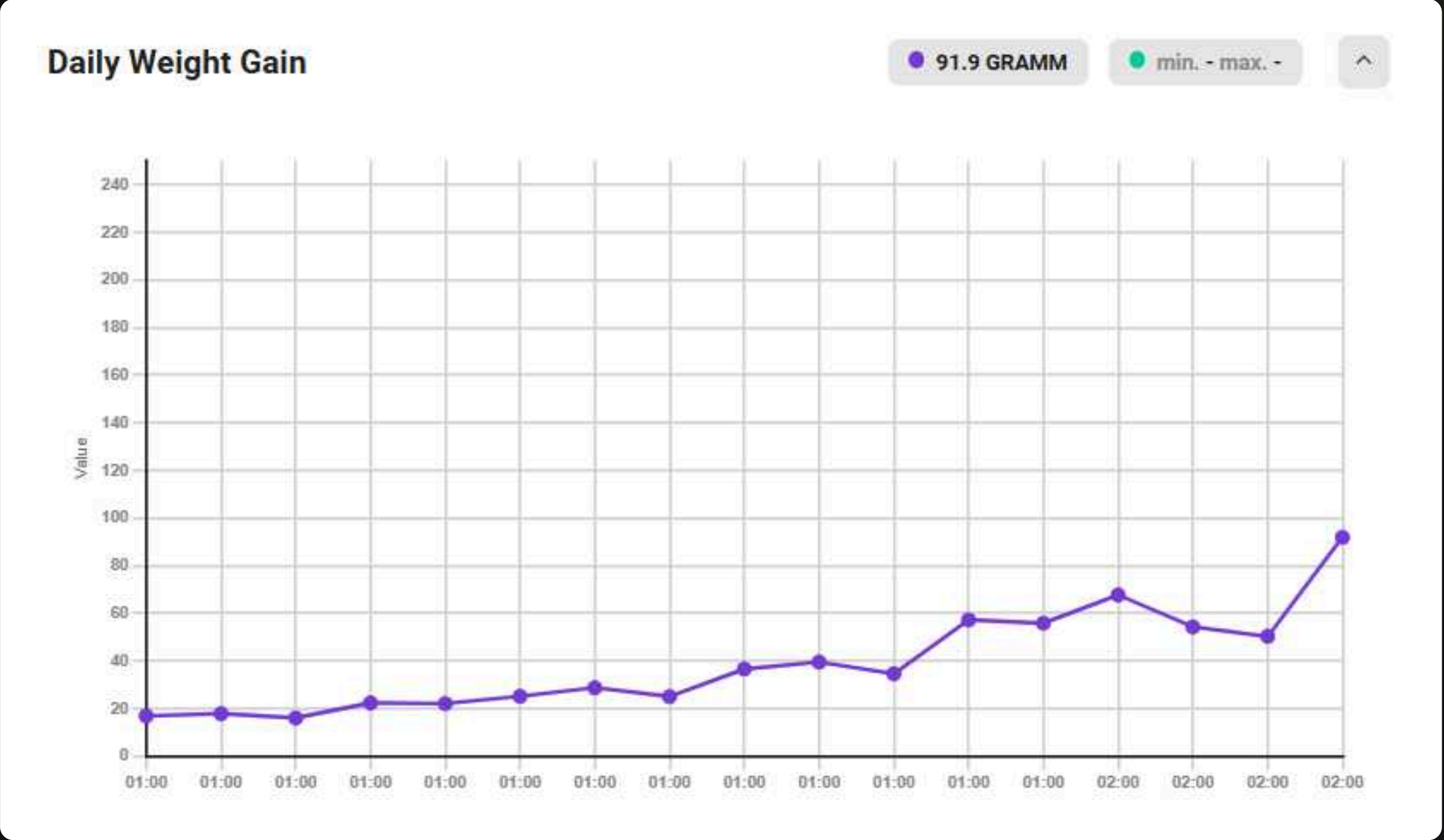


ChiCams



Our system records

Our system records **15-second** video clips of the chickens every **30 minutes** from **6:00 AM to 10:00 PM** – resulting in more than **30 videos per day**. Before processing the raw data, the videos are automatically filtered: footage that is too dark or technically inadequate is discarded. If there aren’t enough usable videos on a given day, no weight estimation is made for that day.



Daily statistics

Processing is done **once per day**, after all videos have been captured. In each video, chickens are automatically detected and tracked, and their weight is estimated frame by frame. The raw estimates are then filtered and aggregated using statistical methods to assign a single, reliable weight value to each animal. If a chicken is detected in too few frames, it is excluded from **the daily statistics**.

From the individual weights, we calculate **daily averages, medians, and quantiles**. However, if there is too little data or the results show statistically unrealistic deviations, no final estimate is produced for that day.

Expected weight

From the last valid day onward, we predict the **chickens’ expected weight**, by estimating the daily gain based on a theoretical growth curve. This ensures **up-to-date and reliable forecasts**, even if data is missing for a day or two.

The results can be **exported in Excel format**. During testing, a system called **Chicken MoniTwin** was developed, which we are continuously improving and can tailor to customer needs if required. The entire process has been seamlessly integrated into this system as well, making weight data directly accessible through the platform.

