

**Xsuper**



Lawrence

# X96

3D wheel alignment with  
auto tracking camera beam  
(lift system)



## Model: X96

### Product: Auto Tracking Intelligent 3D Wheel Alignment

**Description:** The X96 aligner is perfect for usage on a 4post or scissor alignment lifts thanks to its auto tracking system. A wheel alignment machine is used to adjust a vehicle's tracking. The system connects a vehicle to its wheels. It is not an adjustment of the tyres or wheels themselves. The key to proper alignment is adjusting the angles of the tyres which affects how they make contact with the road.

Features:	Benefits:
5M USB3.0 HD industrial digital camera	Ultra thin design, light and easy to install. Made of aluminum for durability, with an added sun filter. Continuously monitor on target position. Feedback on target status at any time, provide accurate dynamic measuring results.
Space saving	Slimmer posts with no cabinet to save space, also giving a more modern look
Accurate targets	Ultra-thin design, light and easy to install. Made of aluminum material elegant and durable.
Intelligent switch	The AI program can switch automatically between "quick mode" and "pro mode" based on the operator's requirements.
V3 Function	Rich and Practical Vehicle Measurement Data
Pure aluminum beams	Light but durable
Cross diagonal	Identifying vehicle frame or structural conditions. Great helper in alignment adjustments.
Drive on camera aid	The drive on camera aid helps guide the proper parking of the vehicles to be aligned, ensuring safety and efficiency.
Image stabilizing system	<ul style="list-style-type: none"><li>▪ Self-developed technology</li><li>▪ No limit for rolling compensation, easy to operate</li><li>▪ Cameras shoot on the targets consistently for accurate readings</li></ul>
Vivid videos	Rich help 3D videos, to help the user master the operation technique quicker.
Two adjustment modes	Two modes of displaying the measurement and adjusting results are available in the program.
Top-Level Hardware Configuration	The system restores the real 3D measurement environment which is a immerse 720° three dimension aligning system. The system automatically switches operation interface at Auto mode without any manual interference. Saves labor costs and increase turnover.
<b>Free</b> yearly database update ( <i>INTERNET connection required</i> )	No need to pay for those expensive yearly vehicle database updates, cost saving.

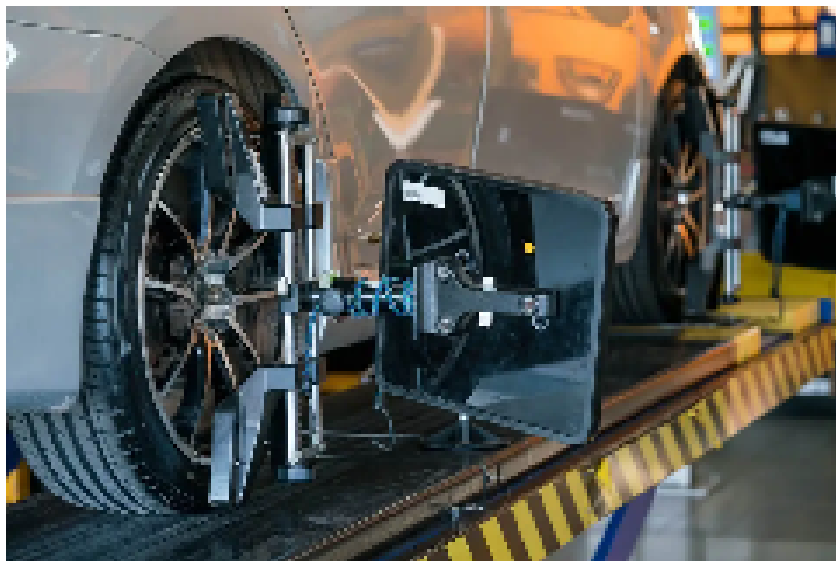
High Precision	Using advanced camera and sensor technology to provide highly precise measurements of wheel angles and alignment. This accuracy ensures that the wheels are aligned to the manufacturer's specifications.
Quick Measurement	Can measure all four wheels simultaneously, reducing the time required for alignment checks. This is particularly useful in a busy automotive service center.
	<b>Versatility:</b> Handle a wide range of vehicle types. Can also accommodate vehicles with various wheel sizes and configurations.
	<b>Real-Time Adjustments:</b> Equipped with features that allow technicians to make real-time adjustments to wheel angles while monitoring the results on the screen.
	<b>Improved Tyre Life:</b> Proper wheel alignment ensures that tyres wear evenly, leading to longer tyre life and reduced replacement costs for vehicle owners.
	<b>Enhanced Fuel Efficiency:</b> Correct wheel alignment reduces rolling resistance, which can improve fuel efficiency by ensuring that the vehicle's tyres are not fighting against each other
	<b>Better Handling and Safety:</b> A well-aligned vehicle handles better, providing better stability and control. This contributes to safer driving conditions.
	<b>Reduced Maintenance Costs:</b> By identifying alignment issues early, 3D wheel alignment machines can help prevent premature wear on suspension and steering components, reducing maintenance and repair costs.
	<b>Customer Satisfaction:</b> Vehicle owners appreciate when their vehicles are properly aligned, as it leads to a smoother ride, better handling, and improved safety. This can boost customer satisfaction for automotive service centers.
	<b>Increased Profitability:</b> Faster alignment measurements and improved accuracy can increase the efficiency of an automotive service center, allowing for more alignments to be performed in a given time, which can translate into higher profits.
	<b>Competitive Advantage:</b> Offering 3D wheel alignment services can give an automotive service center a competitive edge by providing a higher level of precision and customer satisfaction.
Training available	Technicians can be professionally trained to use the machine and get the maximum benefit from it.

1 year warranty	The machine will be repaired if there are any factory faults and can be replaced if required.
Spares available	Should you have a breakdown you will not have to wait for your equipment to be repaired. If there is anything we don't have, we fly it in directly from the Suppliers.
Operational videos	Technicians can learn how to operate the equipment by watching a video, which is easier and more simple than written instructions.

## Important notice!

- Aligner must be installed indoors.
- Approved installers must be used when installing aligners or warranty will be void.
- UPS required.

Technical information		
	Range	Accuracy
Camber	$\pm 45^\circ$	$\pm 0.01^\circ$
Caster	$\pm 40^\circ$	$\pm 0.01^\circ$
S.A.I.	$\pm 40^\circ$	$\pm 0.01^\circ$
Toe	$\pm 30^\circ$	$\pm 0.01^\circ$
Setback	$\pm 15^\circ$	$\pm 0.01^\circ$
Thrust angle	$\pm 45^\circ$	$\pm 0.01^\circ$
Wheel base	<6m	$\pm 5\text{mm}$
Track width	<3m	$\pm 5\text{mm}$



Equipment specification	
Operating temperature	-30°C - 50°C
Power consumption	300W
Wheel size	279.4 - 609.6mm
Tyre diameter	No limit
Power requirements	120v/230v 1PH 50/60Hz
Profile of wheel adapter	11 - 24"
Rolling compensation style	Forward-backward or backward-forward
Camera resolution	5M
Distance to wall	1600 - 3000mm
Suggested distance	2300mm
Short bay distance	1500mm
Distance between two cameras	2400mm
Minimum width of vehicle	1500mm
Maximum width of vehicle	2400mm
Packaging dimensions 1/2	1340*830*810* mm
Packaging weight 1/2	70 kg
Packaging dimensions 2/2	270*390*2820 mm
Packaging weight 2/2	70 kg

