



ANGRUP

DEFENCE AND SIMULATION

**XV-CH01 PRO SERIES
AUTOMOBILE DRIVER TRAINING
SIMULATOR**

XV-CH01 PRO SERIES

XV-CH01 Pro Series simulation systems have been developed using high technology and special equipment. XV-CH01 Pro series simulation systems equipped with real vehicle equipment offer a wide range of software support. Our XV-CH01 pro series compact driver training simulators are suitable systems for beginner training.

Specifications	Details
Hardware	Volkswagen Bora
Software	Standard
Visual System	3x32'' LED (5760 x 1080 Pixel Resolution) Half Closed Cabin
Steering System	Force Feedback with Electric Servo Engine (1.5Kwa)
Pedal System	Linear Potentiometer / Mechanic Transmission Lock
Camera System	720p Camera System
Sound System	2+1 Sound System + Headset*
Driver Seat	Adjustable Driver Seat
Instrument Cluster	Analog Instrument Cluster
Motion Platform	3 DOF Motion System (Optional)
Transmission	Manuel or Automatic
Instructor Station	On Mount - 15.6'' Touch Monitor
Body	Laser cut - Electrostatic Painted Chassis
Right Hand	Optional*
Recommended Space	6 m ² <ul style="list-style-type: none">▪ Width:270cm▪ Length:230cm▪ Height:180cm▪ Weight:520kg
Electric Consumption	3200 Watt / 220V / 15 Amp



XV-CH01 PRO SERIES

FEATURES & APPLICATIONS

SUITABLE FOR BEGINNER EDUCATION

3xLED SCREEN (5760x1080p RESOLUTION)

VOLKSWAGEN ACTUAL CAR PARTS

LEFT & RIGHT HAND OPTION

21" INSTRUCTOR STATION

ANALOG INSTRUMENT CLUSTER

MECHANIC LOCKED GEARBOX



SOFTWARE

EDUCATION SCENARIOS

WEATHER SIMULATION

DAY / TIME SIMULATION

MULTI-LANGUAGE SUPPORT

THEORETICAL TEST SYSTEM

REPORTING & ANALYSIS SYSTEM

INTERACTIVE VIDEO AND TEST SYSTEM

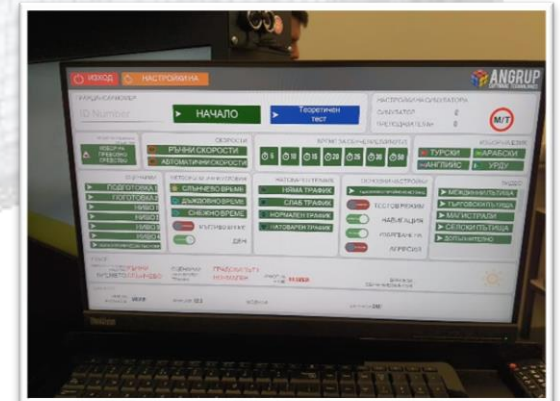
XV-CH01 PRO SERIES

XV-CH01 PRO SERIES			
SPECIFICATION OF DRIVING SIMULATOR			
MAJOR COMPONENTS	SUB COMPONENTS	DESCRIPTION	
1. MAIN COMPONENTS OF THE CABIN	BODY	Powder painted metal chassis	
		Plastic Injection front simulator cockpit	
		Lockable wheel: 400 kg capacity	
	CAR PARTS	BRAND: VOLKSWAGEN	Analog Instrument Cluster <ul style="list-style-type: none"> • Speedometer Gauge • RPM Gauge • Fuel oil Gauge • Temperature Gauge
			Steering wheel and steering wheel plastic cover
			Right-hand or Left-hand drive setup
			Turn signal lever & light switch (real car component)
		Wiper lever	
		Hazard stop button	
		Ignition switch	
		Manual/Automatic Shift lever (5 forward / 1 reverse)	
		Handbrake	
		Driver Seat & Seatbelt, <ul style="list-style-type: none"> • Seat's distance & angle can be adjustable. 	
		Steering Wheel Covers	
		Steering Wheel Clock Spring	
		PEDALS & SHIFTER	Acceleration pedal
	Brake pedal		
	Clutch pedal with mechanical gearbox lock <ul style="list-style-type: none"> • Driver can not shift gear without press clutch pedal 		
	Manual shift mechanical parts		
	Linear potentiometer based pedal sensors		



XV-CH01 PRO SERIES

MAJOR COMPONENTS	SUB COMPONENTS	DESCRIPTION
1. MAIN COMPONENTS OF THE CABIN	CONTROL PANEL	<ul style="list-style-type: none"> • USB Plug • On/Off Switch • Ethernet Socket • Power Button • Emergency Stop Button
		SIMULATOR 3xLED Screen 5760x1080p Resolution <ul style="list-style-type: none"> • 32" LED Screen (Center) • 32" LED Screen (Left) • 32" LED Screen (Right)
	VISUAL SYSTEM	INSTRUCTOR STATION 1xLED Screen 1920x1080p Resolution <ul style="list-style-type: none"> • 21" LED Screen (Side Mount) • Mounting Parts
		Half Closed Laser Cut Visual System Enclosure
	CAMERA SYSTEM	1 web camera for verification of participants
	SIMULATOR PC	CPU: Intel i7 3.5GHz
		RAM: 8GB
		Graphics Card: NVIDIA Chipset 4GB RAM
HDD: 120Gb SSD		
OS: Windows 10		
POWER	Power: 650W 80+	
	AC 220V, 50-60Hz	
2. STEERING SYSTEM	STEERING	Force Feedback with Electric Servo Engine (1.5Kwa)
		Auto calibration
		1.5 cycle left / 1.5 cycle right
		Airbag unit
		Steering wheel clock spring
	Horn control over steering wheel	





ANGRUP CORP.

HEADQUARTER

Address: Araylar Sanayi Sitesi A35
Tuzla/ISTANBUL 34959 TURKEY
Tel: +90 216 304 20 47
Fax: +90 216 304 10 57
Gsm: +90 530 416 56 33

ANGRUP DEFENCE

Address: Kucuk Camlica, Saadet Sokak No:4/2
Uskudar/ISTANBUL 34696 TURKEY
Gsm: +90 533 625 93 60

RESEARCH OFFICE

Address: Gazi University Technopak No: CZ12
GOLBASI/ANKARA 06830 TURKEY
Tel: +90 312 484 34 78

Mail: info@angrup.net

Web: www.angrup.net