



# ANGRUP

DEFENCE AND SIMULATION

**XV-CH03 PRO SERIES  
AUTOMOBILE DRIVER TRAINING  
SIMULATOR**

# XV-CH03 PRO SERIES

XV- CH03 Pro Series simulation systems have been developed using high technology and special equipment's. XV-CH03 Pro series simulation systems equipped with real vehicle equipment (VW Golf MK7) offer a wide range of software support. There are support hardware specially developed on the simulation system and offering high reality.

Specifications	Details
Hardware	Volkswagen Golf MK7 Series / Left Hand
Software	Professional / CAN BUS Support
Visual System	3x43'' LED (5760 x 1080 Pixel Resolution)
Steering System	Force Feedback with Electric Servo Engine (1.5Kwa)
Pedal &	Hydraulic Brake System Clutch Plate Feeling System Mechanic Transmission Lock Adjustable Pedal Position Aluminum CNC Cut Units
Shifter Systems	Automatic Transmission Switch System
Camera System	720p Camera System
Sound System	Integrated 5+1 Surround System + Bluetooth Headset
Driver Seat	Adjustable Driver Seat
Instrument Cluster	12.3" 1920x720 TFT LCD
Motion Platform	3 DOF Motion System - 6'' Linear Actuator
Transmission	Manuel or Automatic
Park Brake	Digital Park Brake
Instructor Station	On Mount - 21'' Touch Monitor
Body	Laser cut - Electrostatic Painted Chassis
Recommended Space & Dimensions	15m <sup>2</sup> ▪ Width :350 <sub>cm</sub> / Length :350 <sub>cm</sub> /Height :220 <sub>cm</sub>



# XV-CH03 PRO SERIES

▪ Weight :800<sub>kg</sub>

Electric Consumption 220V / 19.29 Amp

## FEATURES & APPLICATIONS

SUITABLE FOR PROFESSIONAL DRIVERS

3xLED SCREEN (5760x1080p)

VOLKSWAGEN GOLF MK7

HIGH REALISM

ON SIDE INSTRUCTOR STATION

ANALOG INSTRUMENT CLUSTER

MECHANIC LOCKED GEARBOX



## SOFTWARE

EDUCATION SCENARIOS

WEATHER SIMULATION

DAY / TIME SIMULATION

MULTI-LANGUAGE SUPPORT

THEORETICAL TEST SYSTEM

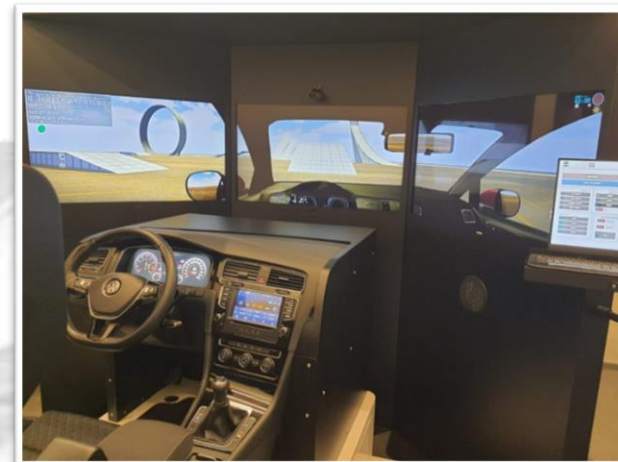
REPORTING & ANALYSIS SYSTEM

INTERACTIVE VIDEO AND TEST SYSTEM



# XV-CH03 PRO SERIES

XV-CH03 PRO SERIES		
SPECIFICATION OF DRIVING SIMULATOR		
MAJOR COMPONENTS	SUB COMPONENTS	DESCRIPTION
1. MAIN COMPONENTS OF THE CABIN	BODY	Powder painted metal chassis
		Actual Vehicle Cockpit
		Lockable wheel: 800 kg capacity
		Rear Brake Light
	MOTION PLATFORM	6'' Actuator Based 3 DOF Motion Platform
	CAR PARTS BRAND: VOLKSWAGEN	LED Instrument Cluster
		Android Multimedia Unit
		Climate Unit
		Gear Box Side Cover
		Arm Rest
		Steering wheel and steering wheel plastic cover
		Left-hand drive setup
		Turn signal lever & light switch (real car component)
		Wiper lever
		Hazard stop button
		Ignition switch
		Manual Shift lever (5 forward / 1 reverse)
		Digital Handbrake
		Driver Seat & Seatbelt, • 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 • Driver cannot shift gear without press clutch pedal • Automatic Transmission Switch System		
Manual shift mechanical parts		
Potentiometer Sensor for pedals		



# XV-CH03 PRO SERIES

MAJOR COMPONENTS	SUB COMPONENTS	DESCRIPTION
1. MAIN COMPONENTS OF THE CABIN	IOS PANEL	<ul style="list-style-type: none"> <li>• USB Plug</li> <li>• On/Off Switch</li> <li>• Ethernet Socket</li> <li>• Power Button</li> <li>• Emergency Stop Button</li> <li>• Transmission Switch Button</li> </ul>
		<b>VISUAL SYSTEM</b> SIMULATOR 3xLED Screen 5760x1080p Resolution <ul style="list-style-type: none"> <li>• 43" LED Screen (Center)</li> <li>• 43" LED Screen (Left)</li> <li>• 43" LED Screen (Right)</li> </ul> INSTRUCTOR STATION 1xLED Screen 1920x1080p Resolution <ul style="list-style-type: none"> <li>• 21" LED Touch Screen (Side Mount)</li> <li>• Mounting Parts</li> </ul>
	<b>CAMERA SYSTEM</b>	720p Camera System
	<b>SIMULATOR PC</b>	CPU: Intel i7 3.6GHz
		RAM: 16GB
		Graphics Card: NVIDIA Chipset 8GB RAM
		HDD: 120Gb SSD
<b>POWER</b>	OS: Windows 10	
	Power: 850W 80+	
2. STEERING SYSTEM	<b>STEERING</b>	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.

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