

RYAN AEROSPACE

AH-64 APACHE ***MIXED REALITY MISSION TRAINER***



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SOME TYPICAL USES AND BENEFITS

INTRODUCTION

The AH-64 Apache Attack Helicopter Mission Trainer utilizes the already developed HELIMOD Mark III PLUS + device but has what we call the "Apache Bolt-On" modules added. The indistinguishable modularity, flexibility and reconfigurability of the HELIMOD redefines cost-effective training. Simply bolt the Apache kit and controls to the already developed HELIMOD Mark III PLUS+ saving time, cost and effort on developing everything from the ground up. Coupled with a mixed reality headset to provide the "outside world", this training system is a game-changer. Front and rear cockpit configurations available.

MISSION REHEARSAL

Allow trainees to practice a mission before flying it. This rehearsal reduces pilot workload and increases cognitive capacity making the "real" mission safer, more effective and more efficient. Simulated missions can be pre-planned and populated with pre-determined criteria that a trainee will be measured against. Fly as a single or multi-ship mission.

AFTER ACTION REVIEW (AAR)

At the conclusion of a mission rehearsal, instructors and trainees can instantly access a full "after-action-review" feature. This allows trainees to fully understand not only where they might have failed during a mission but why. Fly alone or with others.

DIS ROLE PLAYER

Use the HELIMOD Mark III PLUS+ to link with higher level simulators over DIS or HLA.

FULL CONTROL LOADING AND OPTION OF SECOND (LINKED) COCKPIT

Pictured here is the rear seat for the AH-64 Apache. Because the cyclic, collective and pedals have full control loading, a second cockpit (such as the front seat) can be added and the controls synchronized. A TEDAC for the co-pilot / gunner can also be added. With realistic controls and avionics, trainees can refine motor skills through repetitive practice.

REDUCE TIME IN HIGHER FIDELITY SIMULATORS

Many tasks traditionally undertaken in higher fidelity sims such as the Longbow Crew Trainer (LCT) can be transferred to lower cost devices (such as the HELIMOD system) making them a vital part of the training continuum.

SMALL FOOTPRINT - PORTABLE / DEPLOYABLE

At around 63 inches long and 44 inches wide, the HELIMOD Mark III PLUS+ with the Apache Bolt On will take up only a small footprint in your training facility or lab and is also portable // deployable.



TECHNICAL SPECIFICATIONS:

LENGTH (WITH D-BOX MOTION): 64 INCHES / 1627mm

WIDTH: 47 INCHES / 1183mm

HEIGHT (DEPENDENT ON SEAT HEIGHT ADJUSTMENT) 47 INCHES / 1200mm

WEIGHT (APPROX):

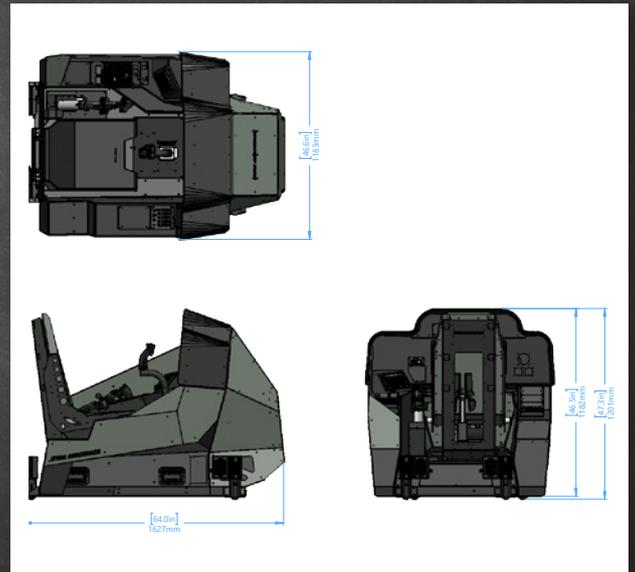
HELIMOD MARK III PLUS+: 175LBS / 80KG

STANDARD HELIMOD SEAT: 33 LBS / 15KG

APACHE BOLT-ON KIT: 175LBS / 80KG (DEPENDENT ON CONFIGURATION)

D-BOX MOTION PLATFORM: 75 LBS / 35KG

TOTAL WEIGHT AS SHOWN: APPROX 460LBS / 210KG (DEPENDENT ON CONFIGURATION)



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