# C-17 Replacement Head Up Display
## (RHUD)


The C-17 aircraft provides rapid strategic delivery of troops and cargo to main operating bases as well as tactical airlift and airdrop operations within a theatre of operations. Elbit Systems of America and Boeing have teamed to provide the United States Air Force a replacement head up display (RHUD) that will enhance the ability of this aircraft to fulfill present and future air mobility requirements for the United States of America.

## Features

- Larger eye motion box and state-of-the-art LCD / LED technology
- High resolution all operating modes; superior brightness and contrast
- Video superimposed with symbology to generate a conformal image
- Four digital video input channels for imagery display; incorporated growth provisions that will provide the foundation for sensor fusion
- Compatible lighting with ample clearance for helmet mounted night vision goggles
- Comprised of two line replacement units for ease of maintenance, enhanced reliability, and built-in obsolescence mitigation

Elbit Systems of America

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## Optional Equipment

With C-17 operators in mind, we have enabled the HUD to work with other Elbit Systems of America solutions such as our enhanced vision system (EVS.) When added, our EVS system enhances the pilot's situational awareness in critical phases of flight during reduced visibility conditions using leading-edge, commercial-off-the-shelf technology to satisfy Air Mobility Command autonomous approach landing capability requirements. With our EVS, fog and snow, typical of a Balkan winter, will never delay military operations as experienced in December 1995.

EVS + RHUD = Mission Accomplished

Our EVS was developed to enable commercial, business, and military aircraft to safely land, taxi, and takeoff in fog, rain, snow, and other reduced visibility conditions in accordance with current FAA and EASA EFVS regulations.

## Applications

- Enhanced safety
- Operational flexibility
- Inclement weather operations
- Drop-zone acquisition
- Assault-zone recognition
- Tanker identification

Enhanced Vision System


## Benefits

Operational Flexibility

- Austere airfield operations
- Reduction in landing, taxi, takeoff minimums
- Begin an approach with reduced runway visual range
- Lower landing credit to near 0/0 visibility
- CAT II capability regardless of infrastructure

Reduced Operating Cost

- Fewer flight delays, missed approaches, holdings, and diverts
- Eliminates down-line delays and maintenance costs

Enhanced safety

- Safer taxi and takeoff
- Obstacle avoidance (runway incursions)
- Increased situational awareness (reduces CFIT)

Elbit Systems of America

**Elbit Systems of America, LLC**
4700 Marine Creek Parkway, Fort Worth, Texas 76179 USA
www.elbitsystems-us.com

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