

# Bradley Upgrade

Provides infantry and cavalry fighting vehicles with digital command and control capabilities, significantly increased situational awareness, enhanced lethality and survivability, and improved sustainability and supportability.

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## Description & Specifications

The Bradley M2A3 Infantry/M3A3 Cavalry Fighting Vehicle (IFV/CFV) features two second generation, forward looking infrared (FLIR) sensors—one in the Improved Bradley Acquisition Subsystem (IBAS), the other in the Commander's Independent Viewer (CIV). These systems provide “hunter-killer target handoff” capability with ballistic fire control.

The Bradley A3 also has embedded diagnostics and an integrated combat command and control (IC3) digital communications suite hosting a Force XXI Battle Command Brigade-and-Below (FBCB2) package with digital maps, messages, and friend/foe situational awareness. The Bradley's position navigation with GPS, inertial navigation, and enhanced squad situational awareness includes a squad leader display integrated into vehicle digital images and IC3.

## Program Status

- **Current:** Fielded to the 3rd Infantry Division (ID) and the 3rd Armored Cavalry Regiment (ACR); 3rd ID is receiving ODS Bradleys and 3rd ACR is receiving A3 Bradleys
- **Current:** Bradley conversions continue for both the active Army and the ARNG to meet the Army's modularity goals; A3 Bradleys in full-rate production for several years
- **FY04:** A3 production, started in 2QFY06, incorporated CMED, and an upgrade to the two FLIR systems in Block I, reducing quantity of LRU components, and support and acquisition costs
- **3QFY06:** Bradley ODS fielded to the 3rd ID
- **4QFY06:** Bradley ODS fielded to the 3rd ID; FY06 Reset contract awarded for 72 A3 and 23 ODS
- **1QFY07:** Bradley ODS fielded to the 3rd ID; Bradley A3 fielded to 3rd ACR; Reset contract awarded for 425 A3 and 118 ODS

## Projected Activities

- **2QFY07:** Bradley ODS fielded to the 116th ID ARNG; Bradley A3 fielded to 3rd ACR
- **3QFY07:** Bradley A3 fielded to the EBCT, 1st Armored Division with Spin-Out 1 technologies; Bradley ODS fielded to the 81st WA ARNG
- **4QFY07:** Bradley A3 fielded to 4th ID; Bradley ODS fielded to the 278th TN ARNG
- **1QFY08:** Bradley A3 fielded to 1st Armored Division; Bradley ODS fielded to the ARNG
- **2QFY08:** Bradley A3 fielded to 1st Cavalry Division; Bradley ODS fielded to the ARNG
- **3QFY08:** Bradley A3 fielded to 1st Cavalry Division
- **4QFY08:** Bradley A3 fielded to 1st Armored Division; Bradley ODS fielded to the 1st ID; Bradley ODS fielded to the ARNG
- **1QFY09:** Bradley A3 fielded to 1st Armored Division; Bradley ODS fielded to the ARNG

## ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

## Bradley Upgrade

### FOREIGN MILITARY SALES

None

### CONTRACTORS

British Aerospace Engineering (BAE)  
Systems (San Jose, CA)  
Raytheon (McKinney, TX)  
DRS Technologies (Melbourne, FL)  
EFW (Ft. Worth, TX)  
L-3 Communications (Muskegon, MI)



**LENGTH:** 21.5 feet

**WIDTH:** 10.75 feet without armor tiles; 11.83 feet with armor tiles

**HEIGHT:** 11.8 feet

**WEIGHT:** 67,000 pounds combat loaded; 72,000 pounds with armor tiles

**POWER TRAIN:** 600 hp Cummins VTA-903T diesel engine with GM-Allison  
HMPT-500-3EC hydro-mechanical automatic transmission

**CRUISING RANGE:** 250 miles

**ROAD SPEED:** 38 mph

**CREW:** M2A3: 10 (3 crew; 7 dismounts); M3A3: 5 (3 crew; 2 dismounts)

**VEHICLE ARMAMENT:** 25mm Bushmaster cannon; TOW II missile system; 7.62mm  
M240C machine gun

### CURRENT MODELS/VARIANTS:

- M2/M3 A2
- M2/M3 A2 Operation Desert Storm (ODS)
- M2/M3 A3
- M2/M3 A2 ODS-E (Engineer Vehicle)
- Bradley Commander's Vehicle (BCV)
- M7 ODS Bradley Fire Support Team (BFIST)
- M3A3 Bradley Fire Support Team (BFIST)

