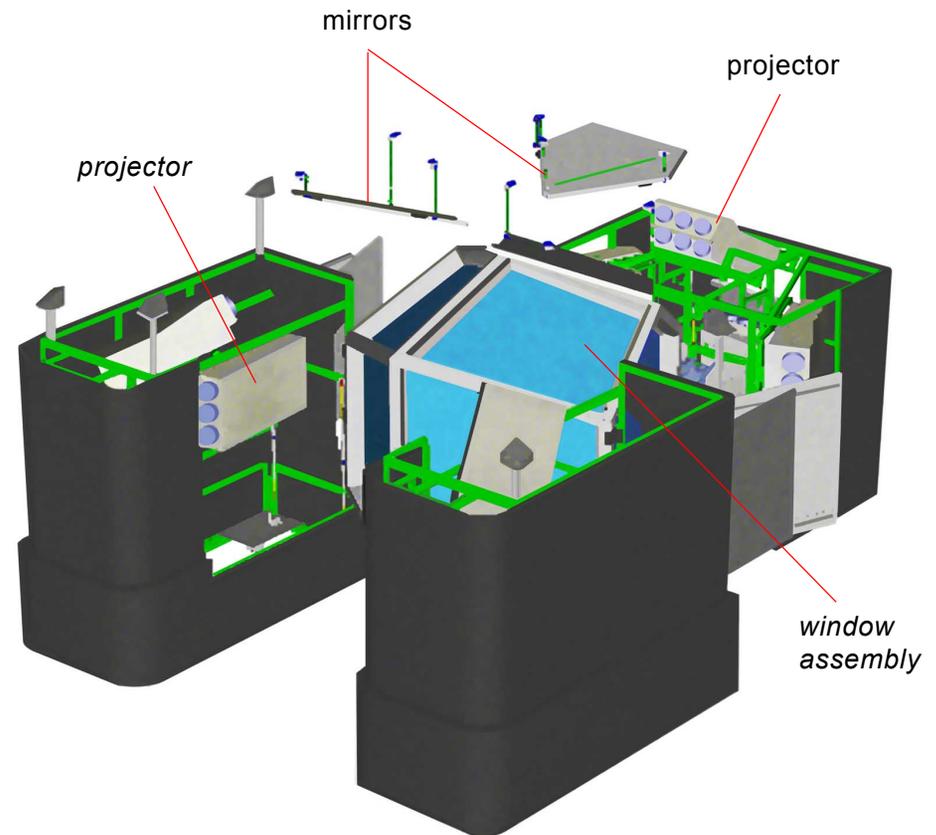


# Mobile Modular Display for Advanced Research and Training (M2DART)



- Fifth generation system — current design started April 1996
- Transportable: modular sub-assemblies enhance mobility and ease of assembly
- Head tracker controlled video switching to reduce number of required IG channels
- Projection path folded to minimize overall size
- Full 360° screen geometry optimized for fighter cockpits
- Separate off-axis rear projected HUD display. Low-cost, high-resolution, single-channel, monochrome projector designed and fabricated at the Air Force Research Laboratory, Mesa, AZ
- Current R&D: Revolutionary “direct write” full-color microlaser-based projection
  - resolution near 20/20
  - 300 to 1 contrast



M2DART (exploded view)