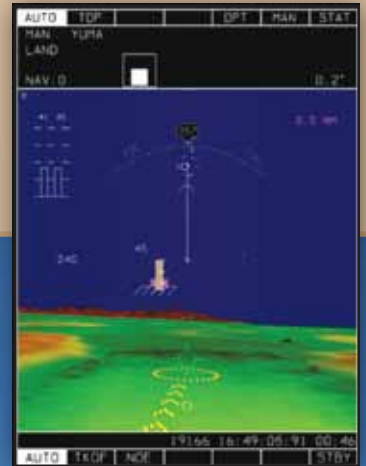


HALS

Helicopter Autonomous Landing System

Any place, anytime, any weather with NO low visibility landing restrictions.



BOSS overlay landing at Yuma



Sierra Nevada Corporation's (SNC) Helicopter Autonomous Landing System (HALS) provides visual situational awareness/wire and obstacle avoidance in degraded visual conditions. Our integrated system, coupled with the flight symbology offers crews the ability to operate safely in any degraded visual conditions.

HALS

Helicopter Autonomous Landing System



UH-60 in Brownout

Capabilities

- Take-off/enroute/landing in all Degraded Visual Environment (DVE) conditions
- Visual Situational Awareness to see and avoid wires, cables and terrain
- Visual terrain following/avoidance
- Brownout Symbology Software (BOSS)
- Precise guidance for landing in DVE
- Safe transition - visual to instrument

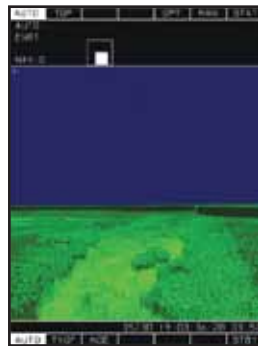
Features

- 3D Image Rendering, 94 GHz Pulsed Radar
- DTED correlated to radar (ground truth) for extended range
- GPS/IMU
- Cockpit Display – either added or use existing display

Enroute Dense Foliage Approach Imagery



Visual View



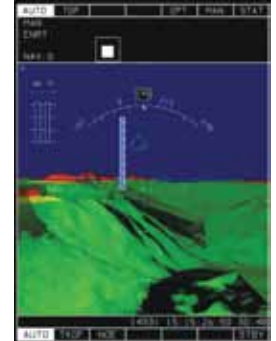
Radar View

For further information contact:
CNS/ATM Business Development
Tel: 775-331-0222
Email: cnsatm@sncorp.com
Visit our web site at www.sncorp.com

Nap of the Earth Imagery



Visual View

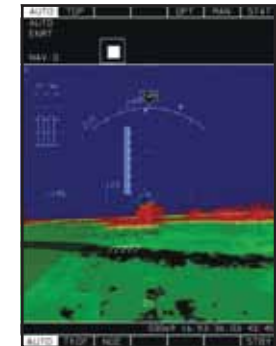


Radar View

Wire Detection (20° off center) Imagery



Visual View

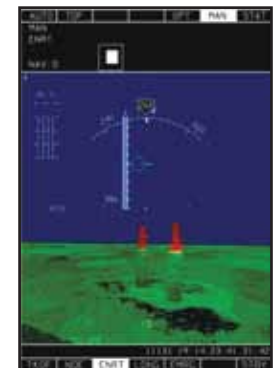


Radar View

Enroute Towers Imagery



Visual View



Radar View