

Extreme EX12LED Illuminator Improves UK Military Helicopter Training

British Army Air Corp Lynx helicopter crews have improved their night time simulation procedures using Extreme CCTV's EX12LED infrared illuminator. Lead training provider Thales utilizes the illuminators in Lynx Helicopter flight simulators to improve assessment and performance evaluation during night-flying exercises..

"The images we get now are so clear that the instructors can not only see the crews' faces, but even what the pointers on the instrument panel are reading ... we now have a complete picture of how the crews react and interact with each other."

THALES

Ron Higgs
Program Manager
Thales Services



The EX12LED IR Illuminator delivers an outstanding solution for performance assessment and evaluation of pilots in darkened cockpits.

Problem

Seeing inside darkened cockpit

- Cockpit must remain dark while crew trains with night-vision goggles
- Low light levels result in poor images from onboard CCTV
- Trainers and assessors unable to monitor performance adequately
- Thermal cameras using same technology as night-vision goggles too expensive and inadequate

Solution

Extreme CCTV EX12LED Illuminator gives clear view

- Invisible lighting does not interfere with night-vision exercises
- Active infrared enables clear CCTV images in low light
- Compact size allows easy, convenient installation
- Low cost, low power consumption for greater operational efficiency
- High resolution performance enables very detailed images

Results

Powerful night vision capability improves training effectiveness

- EX12LED provides "invisible" illumination of darkened simulator cockpit
- Active infrared lighting facilitates much clearer images from onboard CCTV
- Trainers and assessors have clear view of crew, including facial images
- Simulator night-flight training produces more effectively-trained crew

Impressed by these results, Thales wants to expand use of ExtremeCCTV active infrared technology to other military and commercial simulators and will demonstrate it to the Royal Air Force for use in its Sea King helicopter simulators



The EX12LED's small and compact design makes it the perfect LED illuminator to place inside the aircraft.

Related Documents

- [EX12LED Tech Sheet](#)

For further info on how Extreme CCTV products can be applied for your next project, please contact:
Toll Free (NA): 1-888-409-2288 or Sales@ExtremeCCTV.com.

Specifications are subject to change without notice

EX12LED-Military-Heli-Training-casestudy

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Honor our Ingenuity.
U.S. Patent #6158879, UF Series
U.S. Patent #7016518, REG
U.S. Patent #6912007, EX36



Corporate Headquarters
Extreme CCTV Inc
TF: 1 888 409 2288
T: +1 604 420 7711
F: +1 604 420 3300
E: Sales@ExtremeCCTV.com
www.ExtremeCCTV.com



European Operation
Derwent Systems Ltd
A Division of Extreme CCTV (UK) Ltd
T: +44 (0) 1670 730 187
F: +44 (0) 1670 730 188
E: SalesUK@DerwentCCTV.com
www.DerwentCCTV.com