

COBHAM

TITAN™



Complete Audio Control.

**THE SMALLEST, LIGHTEST
AUDIO SOLUTION FOR LIGHT
HELICOPTERS AND FIXED WING
AIRCRAFT FROM COBHAM.**

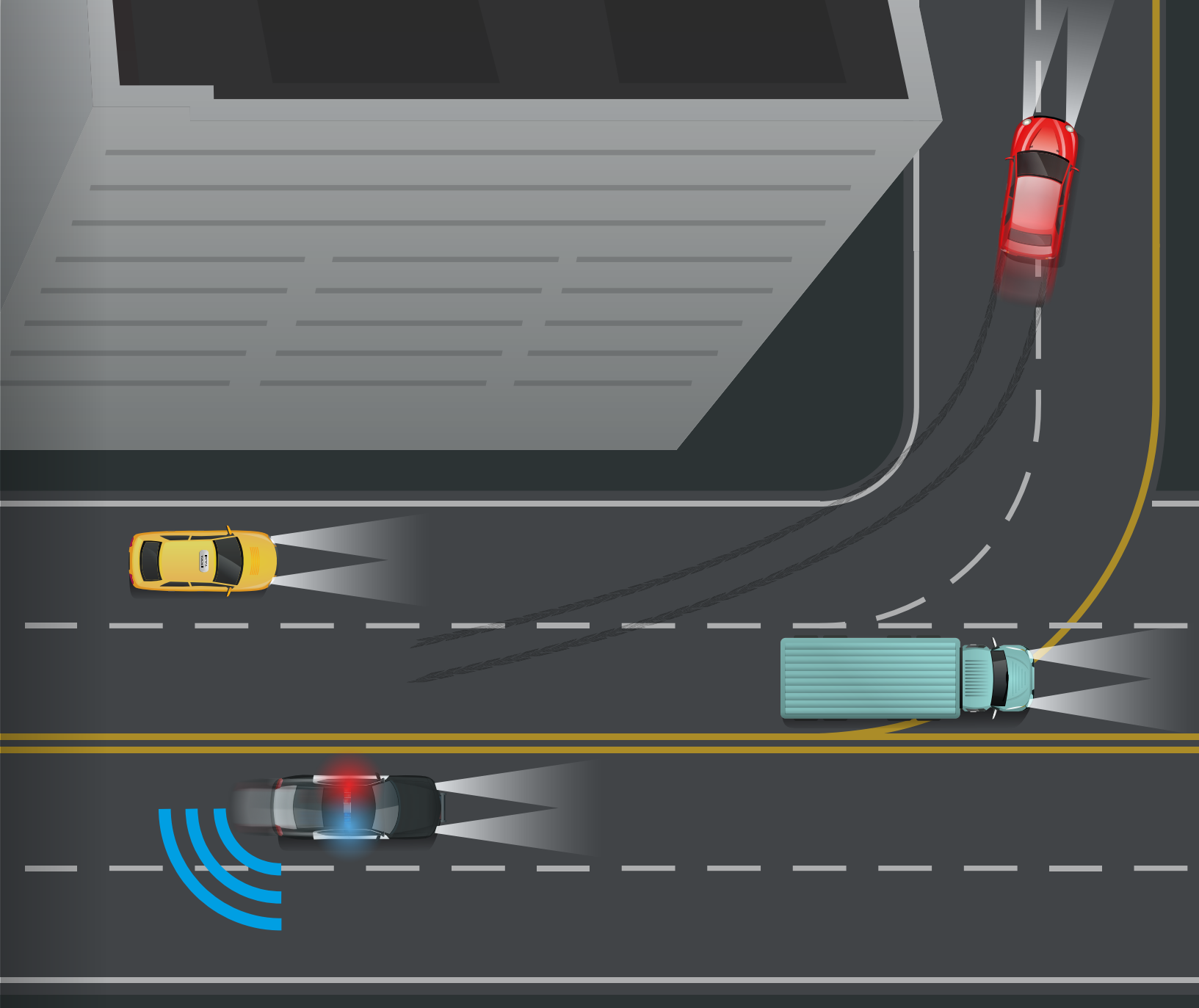
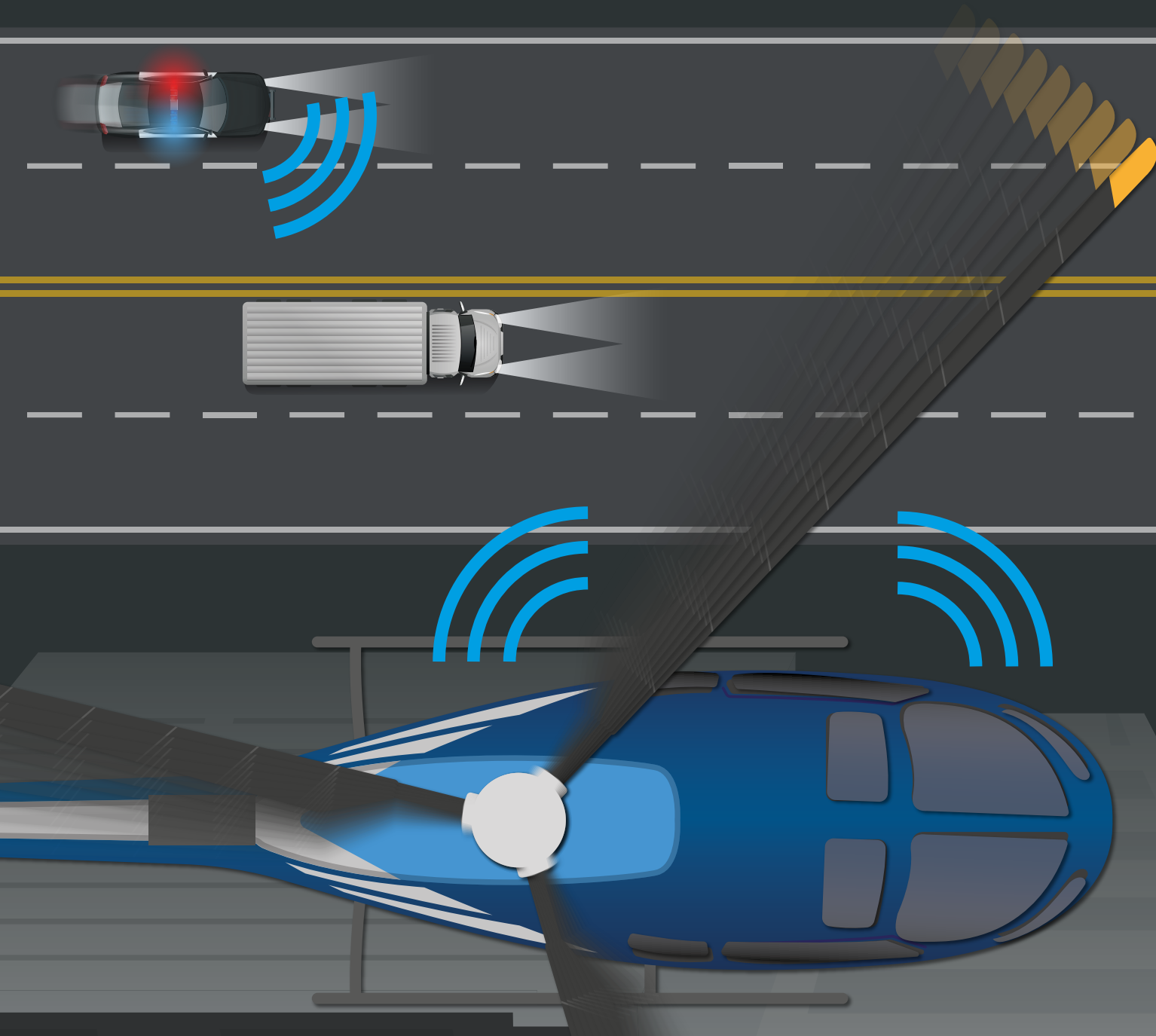
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TITAN™ Massive functionality in a compact package.

Smaller helicopters are increasingly being tasked to undertake tactical missions, but are sensitive to space and weight restrictions. Turboprops & light business jets require enhanced functionality from their audio

systems without the bulk. Titan's compact, lightweight form-factor and feature-rich design addresses the needs of all these markets.



TITAN™ main features:



Spatially-Separated Audio

Audio is perceived as coming from distinct directions, making it easier to focus on specific audio and radio sources. The result is improved message comprehension.



Relay & Simulcast

When relay and simulcast are both active, aircrew and ground personnel are participating in a seamless, delay-free conference call.



Bluetooth

A Bluetooth wireless interface connection for pilots allows hands-free phone calls. Cockpit crews and VIP passengers may enjoy separate music streams.

TITAN™

Titan is a high-functional-density communications management system designed to control and manage all aircraft audio, presented in an amazingly light and compact form factor.

Titan is a family of products all based on the same core technology, a state-of-the-art Digital Signal Processor (DSP), mixing and filtering all audio sources in the digital domain to deliver crystal clear audio.

Titan is offered in two configurations providing complete flexibility for space-constrained installations.



Audio Control Panels with remote-mounted Audio Management Unit.



All-in-one Audio Controller.

Audio Control Panel	Audio Management Unit	Audio Management System
ACP-83	AMU-80	AMS-80
2.56 / 5.0 / 3.0 in	6.58 / 6.0 / 2.88 in	6.5 / 5.0 / 3.0 in
65 / 127 / 76.2 mm	167.1 / 152.4 / 73.15 mm	165 / 127 / 76.2 mm

Features:



Cockpit Voice Recorder Outputs

3 CVR outputs are supported: pilot/co-pilot/users 3 & 4. CVR outputs are fully compatible with the latest EUROCAE ED 112 requirements.



Internal Warning Audio Generator

Titan offers 3 (three) internal programmable Aural Warnings. The messages are .WAV files, assigned by configuration management software, active or Lo.



Configurable Talk Groups

Talk Groups are an essential feature in aircraft executing tactical missions. Titan offers 3 (three) configurable talk groups, and 3 (three) isolation modes.



Warning Audio Inputs

Titan supports 5 (five) direct Audio Inputs for external warning audio.



High Fidelity Music

Titan features two separate stereo music inputs, each supporting either 400 mVrms or 2.5 Vrms. Designation for each is assigned by the configuration management software.



Eight Stereo Headsets

The Titan system supports 8 (eight) stereo or mono headsets.



Powered Reversionary Mode

'Reversionary' mode allows continued crew communication and aural warnings should 'Normal' circuit mode fail, while Titan's backup mode provides complete redundancy.



Multiple ICS Tielines

Titan's ICS tielines are used for expansion, allowing multiple systems to be tied together. Titan will support two analog Intercom audio (ICS) tielines.



Nine Transceivers

Titan provides support for 15 radio/audio inputs: 9 (nine) transceivers, 6 (six) receivers. Plus 9 (nine) radio mic inputs, and 9 (nine) PTT outputs.



Fast Customization

Titan has installation customizable legends and a USB maintenance port for simple & fast configuration, reducing the number of part numbers to be stocked and certified.



Latest TSO & ETSO

Each Titan variant is built to the latest RTCA standards (FAA TSO-C139a). It will also hold EASA's ETSO to facilitate simplified installations.



Digital Signal Processor

State-of-the-art Digital Signal Processor (DSP), mixes and filters all audio sources in the digital domain to deliver crystal clear audio.

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