

# CRUCIAL FOR PATIENT CARE

## Flightcell DZMx provides air medical operators vital communications between aircraft and the emergency department

**T**ransmitting real-time patient data from an air ambulance to an emergency department is crucial – it provides patients with the best possible medical treatment and, in the direst of situations, can save a patient's life. For this to happen, aircraft operators must have installed a communication system that provides 100% connectivity no matter how remote the location is. For over 20 years, Flightcell has provided air medical operators the perfect tool to do this.

Using cost-effective cellular services when in range, and the Iridium satellite network when out of cell range, the Flightcell DZMx provides air medical operators with the certainty that they can always communicate to ground personnel no matter where their mission takes them. The Flightcell DZMx is an all-in-one compact cellular and satellite voice, data and tracking system that easily fits into a standard avionics panel. The Flightcell DZMx provides medical crew with confidence that they can send and receive critical patient data on route to the emergency department, providing the patient with the most accurate treatment, and it allows medical specialists on the ground to prepare for the patient's arrival well in advance.

The ability to transmit patient data in real time from the air to the ground requires smart technology – the Flightcell DZMx uses high-speed data connections over ethernet or Wi-Fi to transmit patient data. A common example of data being transmitted is electrocardiogram (ECG) data, where air medical operators regularly attend to patients suffering cardiovascular events. The Flightcell DZMx transmits 12-lead ECG data to the emergency department so cardiology specialists on the ground can be briefed and communicate back to the air medics on how to best treat the patient, all while preparing and determining the care required for when the patient arrives at the emergency department.

An optional addition to the Flightcell DZMx is the Flightcell Remote Head, which is used by many of Flightcell's air medical customers. The Flightcell Remote Head unit allows users of the Flightcell DZMx to control their voice,



data and tracking functions from multiple remote locations in the aircraft. It is frequently installed in the aircraft cabin by air medical operators, which mainly allows air medics to communicate directly with ground personnel. This bypasses the need for communications to go through the flight crew, a significant benefit where time is paramount in providing patients with the best care possible.

Flightcell is well trusted and proud to partner with several air medical operators in North America, Europe, Australia, and New Zealand. "We are proud to have long standing relationships with Avincis, Classic Air Medical, and the Royal Flying Doctor Service to name a few – all who perform hundreds of EMS missions every year," said Jonathan McWatt, Flightcell Marketing Director.

The Flightcell DZMx is a versatile system and is installed on both helicopters and fixed-wing aircraft – helicopter installations are mainly on Leonardo, Airbus and Sikorsky platforms, while for fixed wing, the Flightcell DZMx is

mainly installed on the Pilatus PC-12 and PC-24, and Beechcraft King Air.

The communication between air ambulances and hospitals is a significant factor in a patient's treatment and medical outcome, and Flightcell is proud that their communication system plays a vital part in ensuring the best outcome for every patient.

### ABOUT FLIGHTCELL

Setting quality standards since 2000, Flightcell is a leader in the global aviation communications systems and hardware industry, leveraging strong strategic relationships with aircraft manufacturers, industry partners and governments. Flightcell's trusted products are highly configurable for operational requirements, with focus on providing solutions to rotorcraft, very light jet, and turboprop fixed-wing aircraft that specialise in aerial firefighting, law enforcement, search and rescue, air medical, oil and gas, and military operations. ■

# *Flightcell*<sup>®</sup> AIR MEDICAL SOLUTION

Always Connected to the  
Emergency Department



Transmit 12-lead ECG data to emergency department

High speed data connection to transmit critical patient data

Retrieve vital patient records in-flight

Remote head in aircraft cabin for medical crew

Iridium push-to-talk (PTT), Wi-Fi and Bluetooth options



Explore Flightcell  
Air Medical