

Dawson SC-Zero P Ultra Compact Flyaway System

Dawson SC-Zero flyaway is a revelation for broadcasters, emergency responders and military users.

Ultra Compact the unit can easily be transported by one person. It fits into a standard vehicle and can be airline checked.

Assembled in less than 3 minutes by a single operator and on traffic in less than a further 5 minutes this is one of the fastest deployable system available today



Applications

Broadcast for IP TV and IP Radio, First in communications, Mobile Cell Phone solution, Disaster Recovery, Emergency Services and Military users will all find the features of the system compelling

Functionality

With fully automatic pointing the system is simple to set up and use. A simple user interface requires no special training but gives the operator full control if required.

With built in inclinometer, GPS receiver and DVB receiver built in and fully controlled the operator can concentrate on other important tasks

Design

The system has been designed taking into account Dawson's extensive experience to make the solution light, rugged and fast to deploy but while still retaining the Dawson reputation for quality and value with the system costing a fraction of competitive equipment

Ease of use

The system operates from Dawson custom software that is pre programmed to search for the required satellite using the built in DVB receiver. The operational interface is a simple three button One for deploy, One for stow and an emergency stop. The display also provides a progress meter and a Eb/No meter so that pointing progress can be monitored from the main screen
The software also provides manual control of the antenna if required as well as detailed diagnostics to assist with the unlikely event of fault finding. There are even manual push buttons on the controller to give complete redundancy of control

Transportation

Being so compact and light it is easy to transport the system in a normal small hatchback car, by helicopter, on commercial air transport and even by hand using the wheeled case to move the whole system complete in a single operation by one person

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- O Light weight and rugged
- O Air transportable
- O Fast set up time



Specification

Section	Item	Specification
Power requirement	Prime power	110 / 220 V AC 50 / 60 Hz
	Power consumption	Approx 100W
Packaging	Two items	Hardigg 2950 case Dawson padded antenna bag
Weight	System weight	<32 Kg main case
		<10 Kg antenna bag
Operation	Deployment time	<3 minutes by one person
	Pointing time	<5 minutes typical
	Pointing system	Fully automatic on DVB carrier Manual over ride
Environmental	Temperature (use)	Minus 20 to Plus 50 Centigrade
	Wind speed	50 Kph with ballast 20 Kph without
	Rain / Dust	Fully waterproof / sealed
Construction	Antenna system	Aluminium and stainless steel
	Reflector	SMC
	Case	Reinforced plastic (Hardigg or Peli)
Positioner	Elevation range	10 - 90 Degrees fully motorised
	Azimuth range	180 degrees +/- fully motorised
	Polarisation range	180 degrees +/- fully motorised
Performance	BUC size	1,2,3,4,6 W possible
	Data Rate TX	64 Kb - 5 Mb
	Data Rate RX	512 Kb - 25 Mb
RF	Antenna Gain	TX 39.0 @ 14.25 GHz
		RX 37.4 @ 11.70 GHz
	Frequency	TX 13.75 - 14.50 GHz
		RX 10.70 - 12.75 GHz
	Approvals	Intelsat and Eutelsat
	Flange	Circular waveguide, optional OMT
	Antenna size	80cm nominal
Feed	2 port linear Ku band	
Options	Power Pack	Dawson battery pack for instant setup
	Wireless	Built in wireless access point
	Wireless extender	Battery powered wireless extender pack

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