

CCT ANTENNA SYSTEMS 120-1



◎ ***There are merits to being the first to race to the scene. But what happens when the scene starts racing toward you?***

Get the story and go with the CCT Antenna System 120-1 with CommuniCase® Technology. The quickest-to-air vehicle mount in the world.

The CCT Antenna System 120-1 is the most innovative satellite terminal antenna to hit the roof - In fact, you don't even need a dedicated roof. You can mount the same CCT Antenna System to just about any vehicle in your fleet because there's no cable feed through the roof.

With the CCT Antenna System 120-1, you get a rugged, lightweight, fully enclosed system that deploys quickly and gracefully, so you can transmit your SNG contribution back to base in no time.



KEY FEATURES

Low weight, easy to install – Designed for permanent or temporary installation on any SUV, Minivan, MPV or larger vehicle without any vehicle modification

High style, low drag – Sleek, attractive unit with new azimuth turntable stays fully enclosed during transport to keep drag low and speeds high

Reliable – Constructed of rugged materials and thoroughly tested to surpass the tough conditions and environmental standards of live broadcast situations

High efficiency – A highly efficient Gregorian dual offset elliptical antenna and feed system with low loss

Future proof – The CCT Antenna System is one of seven CCT modules, which are allowing you to change key characteristics of your system leveraging your investment – enabling true flexibility

Compliance – Intelsat and Eutelsat compliant

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GENERAL

Antenna concept	Gregorian offset antenna, elliptical main reflector, folding feed arm with fixed subreflector
Antenna aperture	1.2 x 0.84 m (47.24 x 33.07 in)
Azimuth range	±175°
Elevation range	10° - 90°
Polarization	Ref. CCT Transceiver data sheets
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PERFORMANCE**Ku**

Transmit frequency	13.75 - 14.50 GHz
Receive frequency	10.95 - 12.75 GHz
Transmit gain, midband	41.6 dBi
Receive gain, midband	41.0 dBi
Antenna noise temp.@ elev. 20°	30 K

OPERATIONAL CONDITIONS

Operating temperature	-15° C to +45°C (+5° F to +113° F)
Storage temperature	-40° C to +70°C (-40° F to +158° F)
Operational wind speed	Max 20 m/s (45 mph)
Survival wind speed	Max 30 m/s (67 mph)
Survival wind speed, stowed	Max 200 km/h (124 mph)
Operational altitude	Max 3,000 m (9,850 ft)
Survival altitude	Max 12,000 m (39,400 ft)
Sealing class	IP65
Operating Humidity	Up to 100% condensing
Solar radiation	Operational in up to 1100 W/m ²

PHYSICAL

Interface to vehicle	Roof bars under antenna can be permanently or temporarily attached to standard vehicle roof rails or directly to vehicle roof
Physical size when stowed	161 x 131 x 38 cm (63.5 x 51.4 x 14.8 in)
Weight	52.5 kg (116.9 lb)

Specifications are subject to change without notice, and this datasheet will not form part of any contract. 2008-08-29