

QUAD Series



FLEXIBLE & RESILIENT CELLULAR CONNECTIVITY








The QUAD Series is a range of external 3G/4G-LTE cellular transmission solutions increasing dramatically the signal resiliency in critical conditions for live video transmission. The QUAD Series is designed to be used in combination with AVIWEST's PRO Series, RACK series or AIR series transmission devices, as well as HE4000 UHD encoder in order to add, extend or remotely-locate transmission capacities over cellular networks. The QUAD Series portfolio includes two solutions: QUAD Antenna and QUAD CellLink.

Suitable for/or better transmission in constraints and hostile environments, the QUAD Antenna is a cellular antenna array combining 4 patented high efficiency wideband antennas. It is designed to externalize the embedded native antennas from the PRO Series or simply add transmission capability to the RACK Series.

The QUAD CellLink embeds 4 last-generation 3G/4G-LTE cellular modems with their SIM cards and inherits of the QUAD Antenna innovative technology. This agnostic solution can be combined with the HE4000 and AIR Series respectively, or any other vendor devices.

Really easy-and-fast to setup, the QUAD Series definitely facilitates video professional operations for news gathering and field events broadcasting compared to the traditional satellite-based solutions. QUAD Series enhances their excellence of services with a better video quality, a lower latency and an error free transmission.

USE CASES

	Vehicle	Mounting Location	Magnets	M4-threaded silentblocs	1/4-20-threaded mount
Motorbike 	Top case		●		
	Mast				●
Car/Truck 	Horizontal flat roof top		●	●	
Helicopter 	Lower part of the cabin				●
Boat 	Conductive flat desk		●	●	
	Mast				●
Tripod 	Mounting head or magic arm				●

AVIWEST continuously improves its products portfolio and reserves the right to modify the specifications without prior notice.

QUAD Antenna SPECIFICATIONS

ANTENNA

4 x wideband patented high efficiency antennas array
Operating range from 600MHz to 3GHz

RF PERFORMANCES

Free Space Return Loss per antenna 1710-2700MHz < -10dB
Free Space Peak Gain per antenna 700-2700MHz up to 5.4dBi

MOUNTING

4 x anti-slip magnetic pads (comply with XP ISO/PAS 11154 for mounting on vehicle rooftop)
1 x anti-rotation 1/7-20 threaded stud mount
4 x M4 threaded silentblocks

INTERFACES

Up to 9 meters cable with x4 MCX termination

PHYSICAL

DIMENSIONS (W x H x D) 22,2 cm x 7,9 cm x 22,2 cm
(8.74" x 3.11" x 8.74")

WEIGHT 1.4 Kg / 3.08 lbs

OPERATION TEMPERATURE -40°C to 85°C [-40°F to 185°F]

INGRESS PROTECTION IP65

QUAD CellLink SPECIFICATIONS

NETWORK CONNECTIONS

CELLULAR 4 x 3G/4G-LTE modems with patented high efficiency antennas
Worldwide standards coverage

MOUNTING

4 x anti-slip magnetic pads (for mounting on vehicle rooftop)
1 x anti-rotation 1/4-20 threaded mount
4 x M4 internal threads

INTERFACES

1 x USB 2.0 (male type-A with 3 meters cable)
4 x micro SIM slots

POWER

POWER SUPPLY 19V DC input (AC/DC adapter provided)

CONSUMPTION 25 W (max)

PHYSICAL

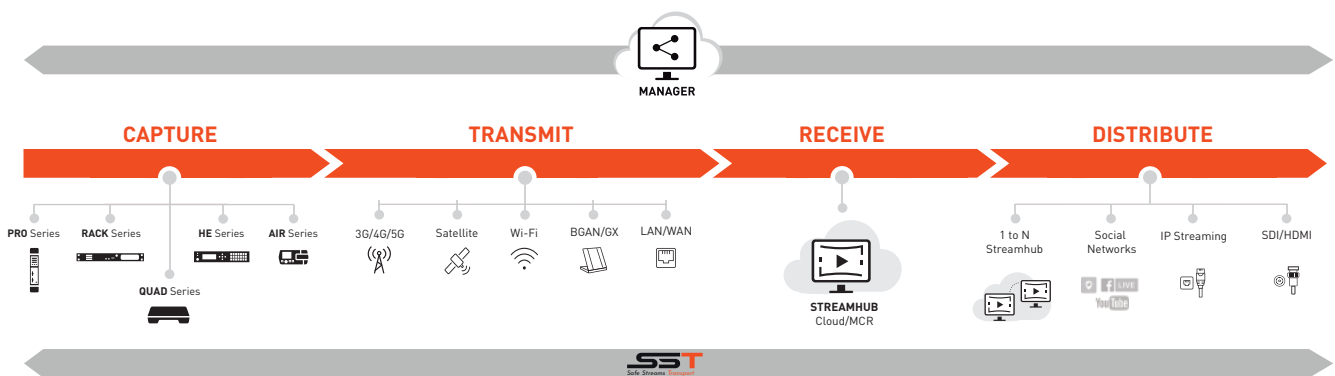
DIMENSIONS (W x H x D) 22,2 cm x 9,9 cm x 22,2 cm
(8.74" x 3.90" x 8.74")

WEIGHT 2 Kg / 4.4 lbs

OPERATION TEMPERATURE -10°C to 50°C [14°F to 122°F]

INGRESS PROTECTION IP65

SYSTEM OVERVIEW



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