

Radarcape System Design Recommendations

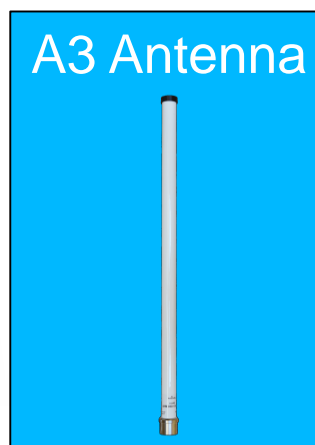
Wissen, wo die Flugzeuge sind!
Knowing where planes are flying!

Cable up to 30m: Passive ADS-B Antenna

#66903:
magnetic mounted GPS antenna
with 5m cable

#66913:
magnetic mounted GPS antenna
with 50cm cable

#66914:
Outdoor GPS Antenna



#67020:
Omni directional antenna
Gain: 5dBi
Size: 625mm long

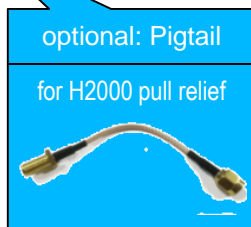
#67305:
V4A quality

for 66903/66913:
5m extension: #77505
10m extension: #77510

for #66914:
5m: 70305
10m: 70310
and so on in 5m steps



#66006:
Radarcape
Power Supply
LAN cable
Magn. GPS Antenna



#70251:
10cm SMA-F/SMA-M

Coax Cable

Constraint: Less than 4dB attenuation

Standard	Robust	
CO100AF:	H2000 flex:	Hyperflex 5
5m: #70405	5m: #70705	5m: #70905
10m: #70410	10m: #70710	10m: #70910
15m: #70415	15m: #70715	15m: #70915
	20m: #70720	
	25m: #70725	
	30m: #70730	

Cable more than 30m: Active Diapason Antenna

- #66903:**
magnetic mounted GPS antenna
SMB, 5m cable
- #66913:**
magnetic mounted GPS antenna
SMB, 50cm cable
- #66914:**
Outdoor GPS Antenna



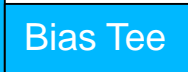
- #68200:**
Omni directional antenna with filter and amplifier
Native Antenna Gain: 2.5dBi
Amplifier Gain: 21dB
Noise Figure: <1dB
Size: 250mm long
- Not recommended with less than
5dB cable attenuation or

for 66903/66913:
5m extension: #77505
10m extension: #77510

for 66914:
5m: 70305
10m: 70310
and so on in 5m steps



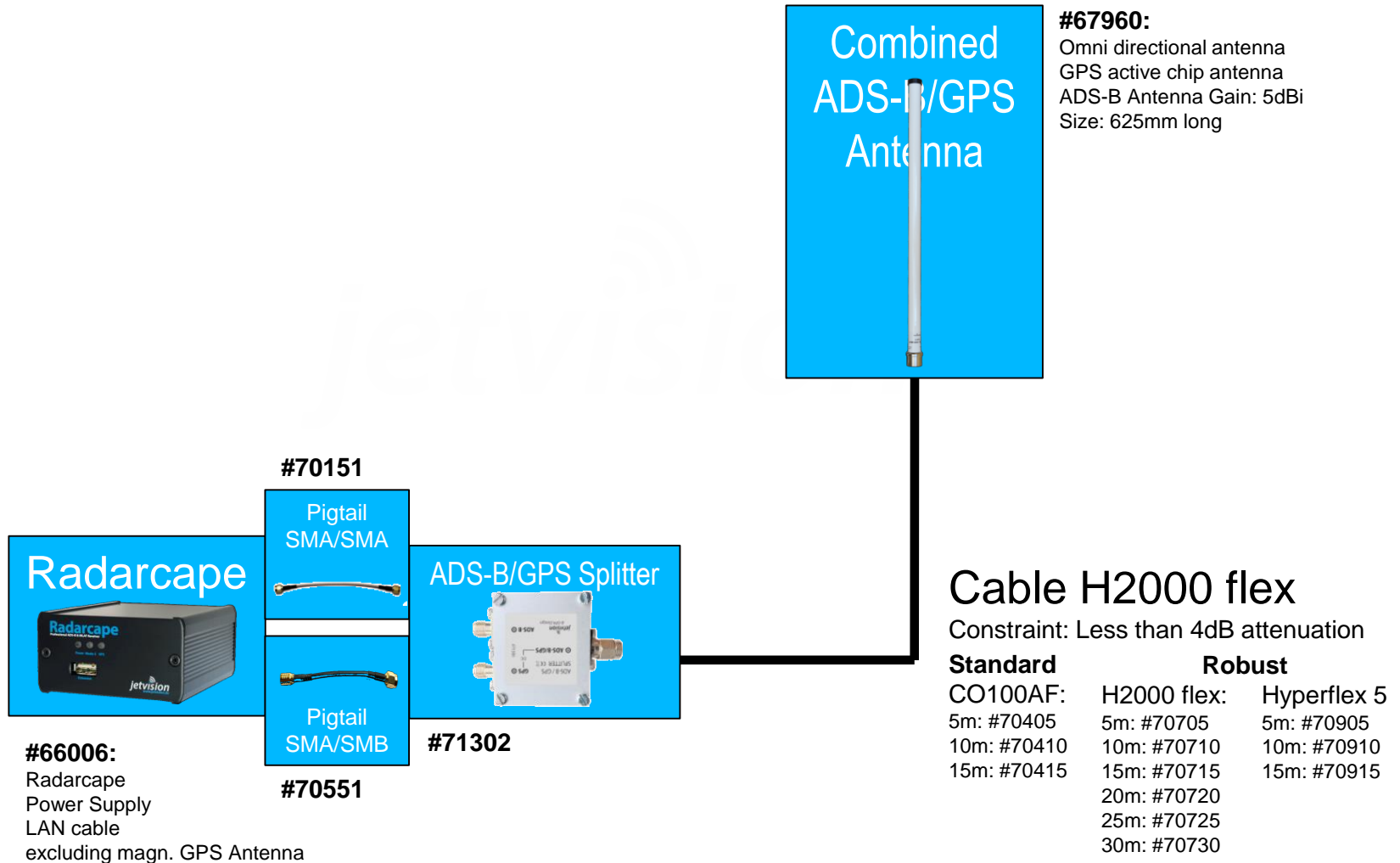
- #66006:**
Radarcape
Power Supply
LAN cable
Magn. GPS Antenna



Coax cable

- Permitted attenuation up to 15dB
- Standard**
CO100AF:
20m: #70120
- Robust**
Hyperflex 5
25m and more: on demand

Common cable for GPS and Mode-S up to 30m cable



Common cable for GPS and Mode-S more than 30m cable

Cable Hyperflex 5

Permitted attenuation up to 15dB

Standard coax:
20m: #70120

Hyperflex 5:
30m and more:
extension cables on demand
available in 5m steps

Active Diapason Antenna 1090MHz

#68200:

Omni directional antenna with filter and amplifier
Native Antenna Gain: 2.5dBi
Amplifier Gain: 21dB
Noise Figure: <1dB
Size: 250mm long

Active Diapason
Antenna 1090



#66916:

magnetic mounted GPS antenna
SMA connector, 5m cable

#66914:

Outdoor GPS Antenna

GPS Antenna



for 66914:

5m: 70305
10m: 70310
avail. in 5m steps

Radarcape



#66006:

Radarcape
Power Supply
LAN cable
excluding magn. GPS Antenna

#70151

Pigtail
SMA/SMA



Pigtail
SMA/SMB

#70551

ADS-B/GPS Splitter



#71302

ADS-B/GPS Splitter



#71302

Coax cable

Standard:

0.1m: #70151
1m: #70101

Robust:

Hyperflex 5
1m: #70901
5m: #70905