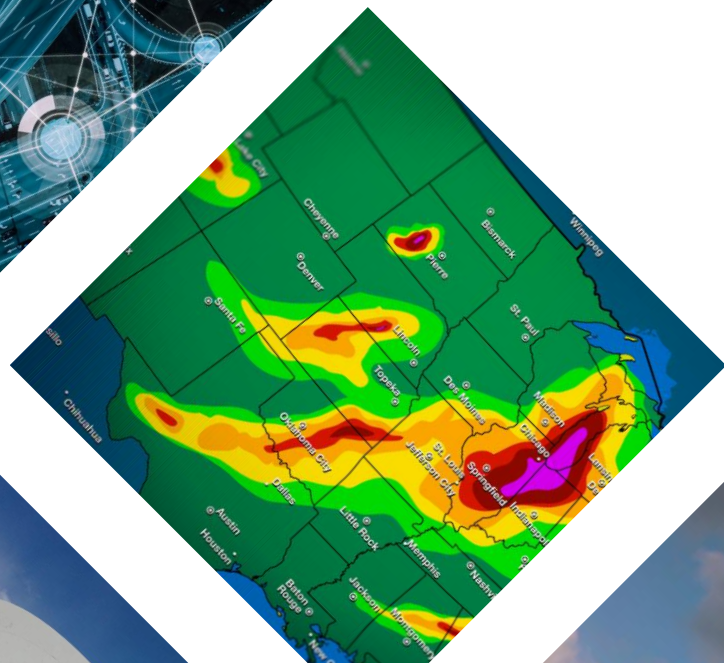




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C N S - 0 1



CAKRAWALA

NUSA DF

P R O D U C T S H E E T

Komunikasi radio untuk keperluan militer adalah hal yang umum dilakukan baik oleh pihak lawan maupun kawan. Komunikasi menggunakan radio bisa menjadi sesuatu yang menguntungkan bagi kita ketika sinyal komunikasi radio pihak lawan dapat dipetakan.

Cakrawala Nusa DF CNS-01 adalah perangkat yang disiapkan untuk keperluan deteksi dan pencarian sumber emisi (beacon / radio pihak lawan) sehingga estimasi posisi dari pihak lawan dapat diketahui.



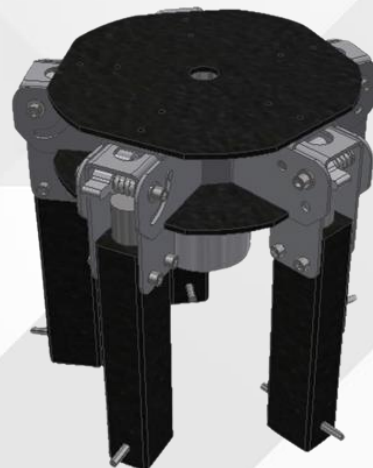
Spesifikasi

RADIO MONITORING MAIN UNIT

Range Frequency	1 MHz - 6 Ghz (Monitoring)
RF Gain	14dB
Noise Figure	< 3.4 dB
Input Impedance	50 Ω
Modulation/Demodulation	Narrow FM, WFM, AM, LSB, USB, CW-L, CW-U
Power	12V DC
Demodulation Sensitivity	< -121 dBm (1 MHz to 6000 MHz)
Input Port	Type N (50 Ω)
Working Temperature	0-50 $^{\circ}$ C

RADIO MONITORING ANTENNA

Range Frequency	VHF ~ UHF
Antenna Type	Monopole Dual Band
Material	Brass, Aluminum
Working Temperature	-40 - 65 $^{\circ}$ C
IP Rating	IP66
Installation	Tripod / Fixed



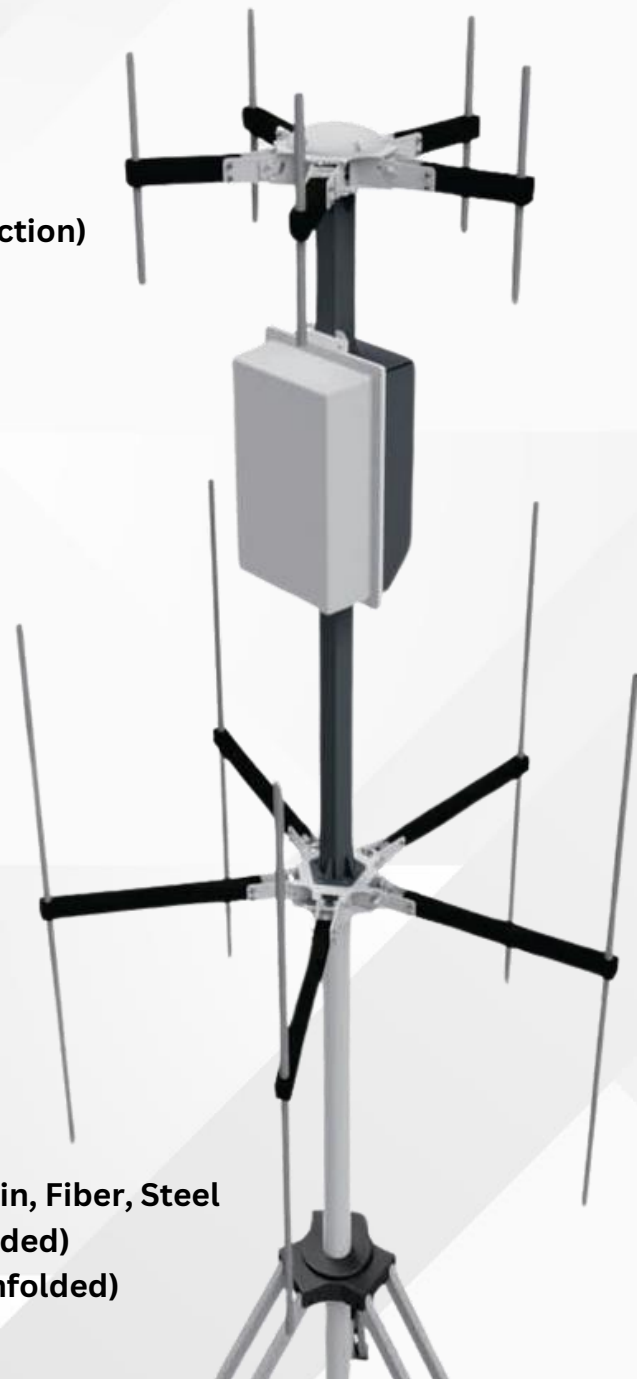
Spesifikasi

DIRECTION FINDER MAIN UNIT

Range Frequency	24 – 1.766 MHz (Direction)
Bandwidth	2.4 MHz
RF Gain	44 dB
Noise Figure	< 4.5 dB
Input Impedance	50 Ω
Power	12V DC
Input Port	Type SMA (50 Ω)
Working Temperature	0-50 °C

DIRECTION FINDER ANTENNA

Range Frequency	VHF ~ UHF
Polarization	Vertical
Antenna Type	Dipole Antenna
Material	Aluminum, Polyester Resin, Fiber, Steel
Dimension	170 x 220 x 1200 mm (Folded) 930 x 930 x 1800 mm (Unfolded)
Working Temperature	-40 - 65 °C
IP Rating	IP66
Installation	Tripod / Fixed



Spesifikasi

GROUND STATION CONTROL

CPU	Intel Core i7
Storage	128 GB SSD
Memory	8GB
Display	7 inch & 15.6 inch touchscreen
Power	12 V DC
Bluetooth	Yes
Keyboard	Yes
Touchpad	Yes



MATERIALS

Body Material	Polypropylene
Latch Material	ABS
O-Ring Material	Polymer
Pins Material	Stainless Steel
Foam Material	1.3 lb Polyurethane
Purge Body Material	ABS
Purge Vent Material	3 Micron Hydrophobic Non-Woven

Spesifikasi

WEIGHTS

Weight With Foam	9.35 lbs (4.2 kg) 8.29 lbs (3.8 kg)
Weight Empty	63.00 lbs (28.6 kg)

TEMPERATURES

Minimum Temperature	-40° F (-40 ° C)
Maximum Temperature	210° F (99 ° C)

APPROVALS

Certifications	IP67 / MIL C-4150J / Def Stan 81-41
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DIMENSIONS

Interior (L×W×D)	18.06 x 12.89 x 6.72 in (45.9 x 32.7 x 17.1 cm)
Exterior (L×W×D)	19.78 x 15.77 x 7.41 in (50.2 x 40.1 x 18.8 cm)



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