

# HUNTER FA-100

FULLY AUTOMATED, CARBON-FIBER,  
ON-AIR IN MINUTES.



The Hunter™ FA-100 is a fully automated, 3-axis motorized VSAT that gets you high-capacity bandwidth with one-button operation. It's lightweight carbon fiber, built to strict SWaP and designed for rapid, worldwide deployment in harsh environments. Use the embedded modem or run external via L-band. AC or DC power. Minimal training. Pack it, pop it open, press once and you're on the air in minutes.



## ONE-BUTTON AUTO-ACQUIRE

Fully automated, simultaneous 3-axis pointing puts you online fast, even in tough conditions.



## TRI-BAND, MODEM-AGNOSTIC

X/Ku/Ka with embedded options or external modem over L-band for flexible network fit.



## TRUE FLYAWAY PORTABILITY

3.3 ft (1.0 m) segmented carbon-fiber antenna, 42 lbs (19 kg) baseline, compact pack size options (hard, semi-hard, rucksack).



## FIELD-READY AND CERTIFIED

MIL-STD-810 compliant, SkyNet certified, AC or DC powered with optional low-noise "stealth" mode.

# TECHNICAL SPECIFICATION

## GENERAL

ANTENNA TYPE	Parabolic (Segmented), centre fed	
DIAMETER	3.3ft (1.0m)	
POLARIZATION	Linear Orthogonal for Ku-band, optional for Ka-band RHCP, switchable to LHCP, for X-band and Ka-band	

## TRANSMIT

TRANSMIT BANDS	FA-100/70	7.9 to 8.4GHz
	FA-100/140	13.75 to 14.5GHz
	FA-100/300	27.5 to 31GHz
TRANSMIT EIRP (PSAT)	FA-100/70	52.9dBW (50W BUC)
	FA-100/140	58.0dBW (55W BUC)
	FA-100/300	61.1dBW (25W BUC)
TRANSMIT EIRP (PLIN)	FA-100/70	50.9dBW (50W BUC)
	FA-100/140	56.0dBW (55W BUC)
	FA-100/300	59.1dBW (25W BUC)

HIGHER EIRPS ARE POSSIBLE USING LARGER BUC AND EXTERNAL POWER SUPPLY

## RECEIVE

RECEIVE BANDS	FA-100/70	7.25 to 7.75GHz
	FA-100/140	10.7 to 12.75GHz
	FA-100/300	17.7 to 22.2GHz
RECEIVE G/T	FA-100/70	15.2dB/K
	FA-100/140	18.6dB/K
	FA-100/300	21.1dB/K

## INTERFACES

DC POWER INPUT (11 TO 36V)	4 pin chassis plug (TVPOOZN-15-04PN)
RJ45 ETHERNET (DATA)	RJ45 Socket (RJFTV72N00)
RJ45 ETHERNET (MANAGEMENT PORT)	RJ45 Socket (RJFTV72N00)
L-BAND MONITOR	N-Type Socket
L-BAND BUC INPUT	N-Type Socket

## POWER

POWER REQUIREMENT	90 to 264V AC Power Supply +24VDC 'Hot swappable' MIL batteries (option)
POWER CONSUMPTION	100W to 280W

## ENVIRONMENTAL

TEMPERATURE	Transportation & Storage	-40 to +158°F (-40 to +70°C)
	Operational	-40 to +131°F (-40 to +55°C)
HUMIDITY	1 to 100%	
WIND RATING	Operational	50km/h with gusts to 72km/h
	Survival (stowed)	100km/h
ALTITUDE	3,000m @ -10°C	

## PHYSICAL

PACKED SIZE	27.6 x 15.7 x 14.6in (0.70 x 0.40 x 0.37m) Size above is for a baseline configuration
WEIGHT	42lbs (19kgs) Weight above is for a baseline configuration
PACKAGING	Any packaging is possible: <ul style="list-style-type: none"><li>• Hard case</li><li>• Semi-hard case</li><li>• Rucksacks</li></ul>