



FEATURES

Easy-to-use front screen

2x100mW

Multiple bridged ethernet ports

PTT or open-mic intercom

RS232 connectivity

Compact packaging

DBS Nano IP

Domo Broadcast Systems' high efficiency IP Mesh module covering 1.2GHz to 5.5GHz (Available in banded options)

Domo Broadcast Systems' NanoIP is a revolutionary IP Mesh module that ensures you bring IP control to your broadcast workflow, making your job easier while ensuring high quality performance.

Are you finding IP Mesh radio's user interfaces too tech heavy? The NanoIP's easy to use front panel lets broadcast engineers configure remotely and see the network's status. With autofind mode your NanoIP can search and discover your current IP mesh setup, this removes the need for manual setup.

Based around DTC's game-changing SOL8SDR architecture and offering up to 2x100mW output power, the NanoIP provides access to a wide range of COFDM waveforms, including the latest high data-rate MeshUltra™ platform.

Connectors		Frequency bands
Power	4 pin OB LEMO	1.14GHz to 1.50GHz
IP/Ethernet	2x RJ45, 1x 7 pin OB LEMO	1.67GHz to 2.35GHz
Serial	7 pin OB LEMO	1.98GHz to 2.70GHz
USB	USB-A	4.40GHz to 5.00GHz
Intercom	3.5mm socket	5.5GHz to 6.00GHz
PTT	Trigger socket	
RF	2x SMA, Port A and Port B	
Power		Environment
DC in	9 – 18V	Temperature Range -10 to +50 °C
Current draw	Worst Case 650mA	Sealing Splash Proof
Physical		Product Codes
Dimensions	9 – 18V	NANOIP-114150 NanolP Radio 2x100mW 1.14GHz to 1.50GHz
Weight	180g	NANOIP-167235 NanolP Radio 2x100mW 1.67GHz to 2.35GHz
		NANOIP-198270 NanolP Radio 2x100mW 1.98GHz to 2.70GHz
		NANOIP-440500 NanolP Radio 2x100mW 4.40GHz to 5.00GHz
		NANOIP-550600 NanolP Radio 2x100mW 5.50GHz to 6.00GHz
RF Performance		Kit Contents
Frequency bands	1GHz to 6GHz (In Bands)	IP MeshUltra™ mode SDRAPP-MESH
Operating power	(RMS) 100mW 20dBm	Power Cable, LEMO to XLR CAXXXX
Gain	>20dB	Ethernet Cable CA4362
Power Step	0.25dB	Remote PTT cable CAXXXX
Tuning step	125KHz	
Bandwidth	1.25, 1.5, 1.75, 2.5, 3.0, 3.5, 5, 6, 7, 8, 10MHz (all modes)	
	12, 14, 16, 20MHz (MeshUltra™)	
Mesh capacity	Up to 87Mbps	
Carrier modulation	BPSK/QPSK/16QAM/64QAM (adaptive)	
FEC rate	1/2, 2/3 (adaptive)	
Receive sensitivity	-98dBm (BW 2.5MHz/QPSK ½)	
Control		Options
Unit	Front panel + OLED display	Power cable, LEMO to d-tap CA3463
Remote	Web browser UI via ethernet	Ethernet & serial cable CAXXXX

