



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

| | |
|-------------|---------------------------|
| Power | 4 pin 0B LEMO |
| IP/Ethernet | 2x RJ45, 1x 7 pin 0B LEMO |
| Serial | 7 pin 0B LEMO |
| USB | USB-A |
| Intercom | 3.5mm socket |
| PTT | Trigger socket |
| RF | 2x SMA, Port A and Port B |

Power

| | |
|--------------|------------------|
| DC in | 9 – 18V |
| Current draw | Worst Case 650mA |

Physical

| | |
|------------|---------|
| Dimensions | 9 – 18V |
| Weight | 180g |

RF Performance

| | |
|---------------------|---|
| Frequency bands | 1GHz to 6GHz (In Bands) |
| Operating power | (RMS) 100mW 20dBm |
| Gain | >20dB |
| Power Step | 0.25dB |
| 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

| | |
|--------|-----------------------------|
| Unit | Front panel + OLED display |
| Remote | Web browser UI via ethernet |

Frequency bands

| |
|--------------------|
| 1.14GHz to 1.50GHz |
| 1.67GHz to 2.35GHz |
| 1.98GHz to 2.70GHz |
| 4.40GHz to 5.00GHz |
| 5.5GHz to 6.00GHz |

Environment

| | |
|-------------------|---------------|
| Temperature Range | -10 to +50 °C |
| Sealing | Splash Proof |

Product Codes

| | |
|---------------|---|
| NANOIP-114150 | NanoIP Radio 2×100mW 1.14GHz to 1.50GHz |
| NANOIP-167235 | NanoIP Radio 2×100mW 1.67GHz to 2.35GHz |
| NANOIP-198270 | NanoIP Radio 2×100mW 1.98GHz to 2.70GHz |
| NANOIP-440500 | NanoIP Radio 2×100mW 4.40GHz to 5.00GHz |
| NANOIP-550600 | NanoIP Radio 2×100mW 5.50GHz to 6.00GHz |

Kit Contents

| | |
|--------------------------|-------------|
| IP MeshUltra™ mode | SDRAPP-MESH |
| Power Cable, LEMO to XLR | CAXXXX |
| Ethernet Cable | CA4362 |
| Remote PTT cable | CAXXXX |

Options

| | |
|----------------------------|--------|
| Power cable, LEMO to d-tap | CA3463 |
| Ethernet & serial cable | CAXXXX |

