

# TX & RX Systems

# STRATA

## Transmitter & Receiver System Configurations for 2 to 15 GHz

### Applications

- Portable, Mobile, or Airborne
- All outdoor or split indoor/outdoor operation

### Main Features

- 2 to 15 GHz Bands
- Turnkey systems or upgradable units
- Analog, Digital, or Analog/Digital
- Compact and Lightweight
- Tripod or Rack Mountable
- Simplified Controls
- Programmable "Presets"

### FM Modulation

- Analog Video/Audio Modulation - NTSC or PAL

### MPEG

- 4:2:2 or 4:2:0
- NTSC or PAL with 4 Analog Audio Channels
- AES/EBU Digital Audio Option
- Wayside Data Channel
- DVB-ASI Input

### COFDM

- DVB-T Compliant
- 6, 7, 8 MHz Selectable Bandwidth
- QPSK, 16QAM, or 64QAM Modulation
- Guard Interval and FEC selectable using presets

### Compatibility

- MRC CodeRunner 2 & 4
- QuikVue Handheld Receiver
- REPORTER Camera Transmitter

### Optional Accessories

- STRATA AC to DC Power Converter (ACU)
- STRATA TX & RX Remote Control Panels

### Options

- BISS-1 or BISS-E Encryption

## TX



### 2 GHz

2 GHz TXU, TXU-A, or TXU-D  
Transmitter Unit



### 3-15 GHz

3 to 15 GHz TXU, TXU-A, or TXU-D  
Transmitter Unit

## RX



RXU-A, RXU-D, RXU-AD Receiver Unit  
All Frequencies



RXU Receiver Unit and  
RCU Receiver Control Unit - All Frequencies

### Overview

The STRATA series of microwave radios are designed to provide turnkey solutions – or a system that offers future expansion.

For example, STRATA offers two options when selecting an analog transmit system:

- For analog, choose either the TXU-A model, or the TXU with the TCU-A. The TXU-A provides an immediate turnkey solution, while the combination TXU and TCU-A provides the same function – yet with the option of adding MPEG encoding and COFDM modulation later on.

As with analog, STRATA offers two options when selecting a digital transmit system:

- For digital, choose either the TXU-D model, or the TXU with the TCU-D. The TXU-D provides an immediate turnkey solution, while the combination TXU and TCU-D provides the same function – yet with the option of adding FM Video & Audio modulation later on.

The STRATA Transmitter Unit offers both a separate TXU and HPU for 2 GHz, and a new integrated design for 3 to 15 GHz.

See the other side of this brochure for an explanation of STRATA Transmit and Receive systems.

# TRANSMITTER

# RECEIVER

|                       |                    | Transmitter Control Unit |                   |        | Transmitter Unit |       |       | Power Amp | Receiver Unit |       |       | Receiver Control Unit |       |       |   |
|-----------------------|--------------------|--------------------------|-------------------|--------|------------------|-------|-------|-----------|---------------|-------|-------|-----------------------|-------|-------|---|
|                       |                    | TCU-A                    | TCU-D             | TCU-AD | TXU              | TXU-A | TXU-D | HPU       | RXU           | RXU-D | RXU-A | RCU-AD                | RCU-D | RCU-A |   |
|                       |                    | 2 GHz                    | Analog - Option 1 |        |                  |       |       | •         |               |       |       |                       | •     |       |   |
| Analog - Option 2     | •                  |                          |                   |        | •                |       |       |           | •             |       |       |                       |       | •     |   |
| Analog HP - Option 1  |                    |                          |                   |        |                  | •     |       | •         |               |       |       |                       |       |       |   |
| Analog HP - Option 2  | •                  |                          |                   |        | •                |       |       | •         |               |       |       |                       |       |       |   |
| Digital - Option 1    |                    |                          |                   |        |                  |       | •     |           |               | •     |       |                       |       |       |   |
| Digital - Option 2    |                    |                          | •                 |        | •                |       |       |           | •             |       |       |                       | •     |       |   |
| Digital HP - Option 1 |                    |                          |                   |        |                  |       | •     |           |               |       |       |                       |       |       |   |
| Digital HP - Option 2 |                    |                          | •                 |        | •                |       |       | •         |               |       |       |                       |       |       |   |
| Analog/Digital        |                    |                          |                   | •      | •                |       |       |           | •             |       |       | •                     |       |       |   |
| Analog/Digital HP     |                    |                          |                   | •      | •                |       |       | •         |               |       |       |                       |       |       |   |
| 3 to 15 GHz           | Analog - Option 1  |                          |                   |        |                  |       | •     |           |               |       |       | •                     |       |       |   |
|                       | Analog - Option 2  |                          | •                 |        |                  | •     |       |           |               | •     |       |                       |       |       | • |
|                       | Digital - Option 1 |                          |                   |        |                  |       |       | •         |               |       | •     |                       |       |       |   |
|                       | Digital - Option 2 |                          |                   | •      |                  | •     |       |           |               | •     |       |                       |       | •     |   |
|                       | Analog/Digital     |                          |                   | •      | •                |       |       |           | •             |       |       | •                     |       |       |   |

**LEGEND**

TXU . . . . . Transmitter Unit (No options - RF Only)  
 TXU-A . . . . Transmitter Unit - Analog FM  
 TXU-D . . . . Transmitter Unit - MPEG / COFDM  
 TCU-A . . . . Transmitter Control Unit - Analog FM  
 TCU-D . . . . Transmitter Control Unit - MPEG / COFDM  
 TCU-AD . . . Transmitter Control Unit - Analog FM & MPEG / COFDM  
 HPU . . . . . High Power Unit

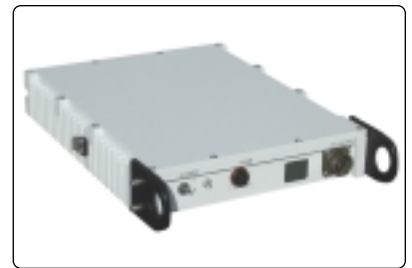
RXU . . . . . Receiver Unit (No options - RF Only)  
 RXU-A . . . . Receiver Unit - Analog FM  
 RXU-D . . . . Receiver Unit - MPEG / COFDM  
 RCU-A . . . . Receiver Control Unit - Analog FM  
 RCU-D . . . . Receiver Control Unit - MPEG / COFDM  
 RXU-AD . . . Receiver Control Unit - Analog FM & MPEG / COFDM



2GHz Transmitter Unit (TXU) with High Power Unit (HPU)



Receiver Remote Control Panel



AC to DC Power Converter



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