

COFDM Video Transmitter and Receiver Set

The Coded Orthogonal Frequency Division Multiplexing (COFDM) is a versatile digital video transmission set. It provides excellent distance and performance through its range of transmission bandwidths, and it has increased spectral efficiency in the 2 MHz and 1 MHz narrow bandwidth modes. This is the narrowest bandwidth available in any comparable product. The use of 4 MHz or 8 MHz modulation at shorter distances gives broadcast-quality image definition.

The COFDM is particularly well suited to providing robust wireless video links in mobile and non-line-of-sight urban environments; to a range of over 1 km. Built-in AES128/256-bit encryption ensures security. Custom frequency bands are available within 300 MHz to 6 GHz.



Part #:
TSE-QN-COFDM-1.3
TSE-QN-COFDM-2.4
TSE-QN-COFDM-5.8

Features

- AES Encryption
- Broadcast-Quality Video
- Error-correction coding extends range
- Available with Stereo Audio
- Simple to Operate
- Narrow Band & Ultra Narrow Band

Available on GSA Schedule **GS-35F-0039T**

Tactical Support Equipment Inc.
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For More Information
Contact sales@tserecon.com



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Transmitter Specifications (TSE-QN-COFDM-XMT-1.3, TSE-QN-COFDM-XMT-2.4, TSE-QN-COFDM-XMT-5.8)		
Compression	H264, JPEG2000 and MPEG4	
Compression Rate	650Kbs to 6Mbs	
Audio (Optional)	Stereo	
Output Frequency	UHF 300MHz - 900MHz, L band 1.15GHz – 1.4GHz, S band 2.28GHz – 2.485GHz, C band 5.725GHz – 5.850GHz (Custom Frequency Bands are Available upon Request)	
AES Encryption	Compliant with ACPO – 128/256	
Bandwidth & Resolution	Standard	8MHz @ QPSK (720 x 576 – D1)
	Narrow	4MHz @ QPSK (720 x 576 – 4CIF) 2MHz @ QPSK (464 x 288 – 4CIF)
	Ultra Narrow	1MHz @ 16QAM (464 x 288 - CIF)
Output Power	250mW	
Forward Error Correction (FEC)	1/2 or 7/8	
COFDM Standard	DVB-T Proprietary	
Weight	390g	
Dimensions	59mm H x 38mm W x 146mm L	
Power Supply	500mA @12VDC	
Antenna Connection	SMA	
Power Connection	Red/black wire	
Channel Selection Switch	Rotary Hex Switch	
Video Connection	Screened cable, BNC	
Audio Connection	Screened cable, Lemo/RCA	

Receiver Specifications (TSE-QN-COFDM-RCVR-1.3, TSE-QN-COFDM-RCVR-2.4, TSE-QN-COFDM-RCVR-5.8)		
Video Output	PAL or NTSC	
Input Frequency	UHF 300MHz - 900MHz, L band 1.15GHz – 1.4GHz, S band 2.28GHz – 2.485GHz, C band 5.725GHz – 5.850GHz (Custom Frequency Bands are Available upon Request)	
AES Encryption	Compliant with ACPO – 128/256	
Weight	1.6kg	
Dimensions	114mm H x 60mm W x 272mm L	
Power Supply	600mA @12VDC	
Antenna Connection	N Type (x2 for Diversity)	
Power Connection	Lemo 2 Pin	
Video Connection	Screened cable, BNC	
Audio Connection (Optional)	Stereo Outputs	
Antenna Options	Standard Omni Antenna or Yagi or High Gain Directional	

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Specifications subject to change without notice, the information in this document does not form part of any contract or quote.