



 **ANYWAVE**



QUARTZITE SERIES
PRODUCT SPECIFICATIONS

MEDIUM POWER AIR COOLED SOLID STATE VHF TV TRANSMITTER

Introduction

The Anywave **QUARTZITE** series of Air Cooled VHF MPTV transmitters provides the broadcaster with the latest state-of-the-art digital transmitter design. The **QUARTZITE** series delivers the highest levels of performance and reliability without costing you extra. The power capability of these forced air cooled Solid State (50V LDMOS technology) transmitters range from 1.2kW ATSC (960W OFDM) to 2.4kW ATSC (1.9kW OFDM) in VHF Band I and from 1.4kW ATSC (1.1kW OFDM) to 3.5kW ATSC (2.8kW OFDM) in VHF Band III. They operate across all modulation standards including DVB-T/H, DVB-T, DVB-T2, ATSC, ATSC3.0, ISDB-T and DTMB. The **QUARTZITE** series incorporates the powerful correction capabilities of the ACT 5X+ or 9X digital exciter platforms.

Key Facts

- ✓ Multi-standard capability: Analog, DVB-T/H, DVB-T, DVB-T2, ATSC, ATSC3.0, ISDB-T and DTMB
- ✓ Broadband over VHF Band I or Band III
- ✓ Modular for better reliability and ease of maintenance
- ✓ Latest Power Amplifier LDMOS Technology
- ✓ Adaptive Linear and Non-linear correction
- ✓ Simple and Efficient Front-to-Back Air Cooling
- ✓ LCD Touch Screen Control System
- ✓ Remote control via Web Browser and SNMP

Power Requirements / Dimensions

MPTV Series				
Standards	All (1)			
Number of Amplifiers - VHF Band III	2	3	4	5
Output Power Band III (RMS) ATSC (2)	1,400	2,100	2,800	3,500
Output Power Band III (RMS) COFDM (2)	1,120	1,680	2,240	2,800
Consumption - Typical - W	5,830	9,330	12,170	15,220
Current Rating Per ϕ - Max. (A) (2)	22.4/15.0	26	33.8	42.3
Height (inches / mm) Band III	54 / 1365	58 / 1454	67 / 1701	76 / 1970
Width (inches / mm) Band III	24 / 600			
Depth (inches / mm) Band III	36 / 895	40 / 998	48 / 1200	48 / 1200
Weight (LBS / Kg) - Band III	530/240	650/295	772/350	893/405
Number of Amplifiers - VHF Band I	2	3	4	5
Output Power Band I (RMS) ATSC (2)	1,200	N/A	2,400	N/A
Output Power Band I (RMS) COFDM (2)	960	N/A	1,920	N/A
Consumption - Typical - W	5,450	N/A	10,910	N/A
Current Rating Per ϕ - Max. (A) (2)	22.7/15.1	N/A	30.3	N/A
Height (inches / mm) Band I	54 / 1365		67 / 1701	
Width (inches / mm) Band I	24 / 600			
Depth (inches / mm) Band I	36 / 895		48 / 1200	
Weight (LBS / Kg) - Band I	672/305	N/A	794/360	N/A
Output Connector	1 5/8"			
AC Input Voltage	240VAC Single ϕ (2PA) or 208VAC Three ϕ (3,4,5 PAs)			
AC Input Frequency	50 / 60 Hz			

(1) Standards included ATSC, ATSC3.0, DVB-T, DVB-T2, ISDB-T, CMMB and DTMB

(2) Currents for 2-PA: 240VAC Single ϕ / 208VAC Three ϕ , currents for 3,4,5 PA: 208VAC Three ϕ (Specify single or three phase with order)



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