

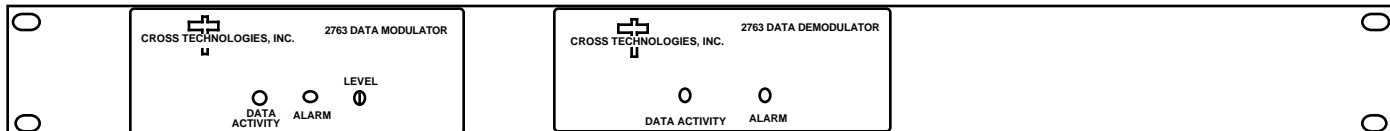


# DATA SHEET

## PRELIMINARY 2/26/02

### Model 2763 Subcarrier BPSK/QPSK Data System

The 2763 is a BPSK/QPSK subcarrier above video data transmission system with factory set frequencies from 5.4 MHz to 8.4 MHz. Data is synchronous and the interface format can be set to RS-422 or RS-423 (RS-232 compatible) by changing on board jumpers. Connection to video is via a high impedance resistor which does not load the video signal even when power is lost.



#### Model 2763-XXT Transmitter and Model 2763-XXR Receiver

MODELS						
<u>TX BPSK</u>	<u>TX QPSK</u>	<u>RX BPSK</u>	<u>RX QPSK</u>	<u>TX + RX BPSK</u>	<u>TX + RX QPSK</u>	<u>DATA RATE</u>
2763-01T	2763-11T	2763-01R	2763-11R	2763-01TR	2763-11TR	64 KB
2763-02T	2763-12T	2763-02R	2763-12R	2763-02TR	2763-12TR	96 KB
2763-03T	2763-13T	2763-03R	2763-13R	2763-03TR	2763-13TR	128 KB
2763-04T	2763-14T	2763-04R	2763-14R	2763-04TR	2763-14TR	256 KB
2763-05T	2763-15T	2763-05R	2763-15R	2763-05TR	2763-15TR	512 KB
	2763-16T		2763-16R		2763-16TR	1.544 MB
	2763-17T		2763-17R		2763-17TR	2.048 MB

#### 2763 EQUIPMENT SPECIFICATIONS\*

##### General

Modulation                    BPSK or QPSK  
 Frequency Range            5.4 to 8.4 MHz, crystal controlled factory set  
 Data Rates                    64,96,128,256,512 kB/s (BPSK or QPSK); 1.544,2.048 Mb/s (QPSK only)  
 Spacing                        QPSK 0.7\*data rate, BPSK 1.4\*data rate

##### Modulator (Transmitter)

Subcarrier Output            1K   OR 75 , unbalanced  
 Level                            25 to 150 mV, p-p, 1K ; 50 to 300 mV, p-p, 75

##### Demodulator (Receiver)

Input                            Hi-Z bridging, unbalanced  
 Impedance                    2 K ohms  
 Level                            25 to 250 mV, p-p  
 Interface                      RS-423 (RS-232 compatible) or RS-422  
 Scrambling                    CCITT V.35  
 Forward Error Correction    None

##### Controls (Transmitter),

Level                            Potentiometer adjusts output carrier level

##### Indicators

Data; Alarm                    Green LED; Red LED

##### Other

SC, Data Connectors        BNC, female; Barrier strip  
 Size                            19 inch standard chassis 1.75"high X 14.0" deep  
 Power                           115 VAC, 60 Hz, 20 watts max., wall mount power supply

**Optional; 2044-01 T1/RS-422 Interface Card** - Converts T1 data to RS-422 clock and data and simultaneously receives RS-422 clock and data and converts it to T1 data. B8ZS/AMI encoding and decoding. A DIP switch selects line lengths from 0 to 655 feet.

+10 to +40 degrees C; Specifications subject to change without notice

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