

Video Transmitter High Power 1800 - 2400 Series

TECHNICAL SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE:	1700MHz - 2500MHz (Other Frequency Bands Available, Please Ask)
FREQUENCY SELECT:	+/- 100MHz From Center - 9 Channel (Presets) on Case, w/15 Channel (Presets) Or 1.0MHz Increments Via Remote Controller or RS-232.
FREQUENCY STABILITY:	±0.005% PLL
RF POWER OUTPUT:	See Model Description
RF OUTPUT IMPEDANCE:	50 Ohms
MODULATION:	Frequency Modulation (Direct FM)
VIDEO FREQ. RESPONSE:	20Hz to 4.5MHz @ -3dB points
BANDWIDTH (Occupied):	17MHz
VIDEO INPUT VOLTAGE:	1 volt P-P (neg. sync.)
VIDEO INPUT IMPEDANCE:	75 Ohms Nominal
AUDIO FREQ. RESPONSE:	20Hz to 30Khz @ -3dB points
AUDIO INPUT IMPEDANCE:	10K Ohms (1v p-p Line Level)
AUDIO SUBCARRIER:	5.5MHz (Or User Specified)
INPUT VOLTAGE:	28vdc (18vdc Min-36vdc Max) (Also Available For 12vdc or Dual Input 12vdc & 28vdc)
REVERSE POLARITY:	Protected
INPUT CURRENT @ 28VDC:	Model: DSX-18(24)46 < 7.0 Amp DSX-18(24)48MP < 9.0 Amp DSX-18(24)49MP < 10.0 Amp DSX-18(24)50MP < 13.0 Amp



MECHANICAL

CASE:	Machined Aluminum, Anodized (HARDCOAT), Black
DIMENSIONS: (As Shown)	5.0"H x 8.75"W x 10.75"D 127mmH x 22.25mmW x 273mmD (Available Without Heat Sink & Fans):
WEIGHT:	<15.0 lbs.
CONNECTORS:	VIDEO INPUT BNC Female AUDIO INPUT BNC Female POWER INPUT: ITT Canon (4 Pin) RF OUTPUT: 'N' Female CHANNEL SELECTOR: ITT Canon (10 Pin)

MODEL DESCRIPTION

-All Models Microprocessor Based, Providing Full Function Monitoring and Reporting via Remote Controller or RS-232.
-Fan Speed Thermal Controlled.
-Multi-Power Select Models Available.

DSX-18(24)46MP: 40 Watt (46dBm)	DSX-18(24)48MP: 60 Watt (48dBm)
DSX-18(24)49MP: 80 Watt (49dBm)	DSX-18(24)50MP: 100 Watt (50dBm)

Important Consideration:

Image Depicts Standard Model Enclosure Configuration. Dell-Star Will Custom Configure an Enclosure to Fit or Meet Specific/Unique Application Requirements.

ENVIRONMENTAL

WATER PROOF (w/Available Water Proof Fans):
EMI/RFI Sealed - Corrosion Resistant

CASE OPERATING TEMP:
-40 °F to 158 °F (-40 °C to +70 °C)

DELL-STAR offers this product for sale/use in the United States to US Federal Agencies & Military only. This equipment described herein is not approved or type accepted by the US Federal Communications Commission.

Dell-Star Technologies, Inc.

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FEATURES & SPECIFICATIONS

- 15 programmable channels, 9 accessible from front panel switch
- Internal dip switch may be field configured to override programmed channel 1
- 15 channels accessible via simple 4-bit binary interface
- 7 programmable power levels accessible from front panel switch
- RS-232 ASCII communications for field programming and access to all transmitter parameters and functions
- Front panel multi-color LED displays system status at a glance
- Optional internal encryption (video only, or video & audio), Can be enabled/disabled via front panel connector
- Microprocessor-controlled thermal fans (fans are optional on 20 Watt models)
- 12 volt accessory power available via front panel connector
- 28-volt (18 to 36 VDC) and 12-volt models available
- Reverse polarity protected
- Case operating temperature 40 to +70°C

AVAILABLE ACCESSORIES

- Basic remote 15 channel selector
- Remote microprocessor-based channel/frequency/power selector with display (15 channels or 1 Mhz step channel selection)
- Remote programming/diagnostic tool with full display capability
- PC application allows full field programming/diagnostics

