



### DVI-7520-PDU

Power Distribution Unit  
8x 12VDC, 200W

**AV Power Management** – Many AV products require the use of external AC power supply units (PSU) to power their internal electronic circuitry. These external PSUs (wall warts) can pose a major challenge to system designers as they occupy valuable space within AV equipment racks where there are a limited number of AC outlets. Furthermore, some external PSUs are poorly designed and ill-suited for use in high profile applications.

**Exceptional Reliability** – DVIgear's DVI-7520-PDU Power Distribution Unit is engineered from the ground up for 24/7 mission critical applications. This unit offers an unprecedented level of reliability with an MTBF of greater than 220,000 hours. The DVI-7520-PDU provides +12 VDC power on 8x outputs, each rated for 24 watts. The unit has an overall power reserve of 200 watts. These features allow system designers and facility managers to optimize power management through more efficient use of rack space, which makes this unit an ideal solution for a wide range of professional applications.

**Advanced Design** – The DVI-7520-PDU is housed in a rugged 1U half-rack mountable enclosure. It accepts AC line voltages auto-ranging from 88-264 VAC and AC line frequencies from 47-63 Hz. All outputs include extensive protection against overload, over-voltage and over-temperature. Versatile and reliable Phoenix connectors allow for universal connections to various products that require +12 VDC power.

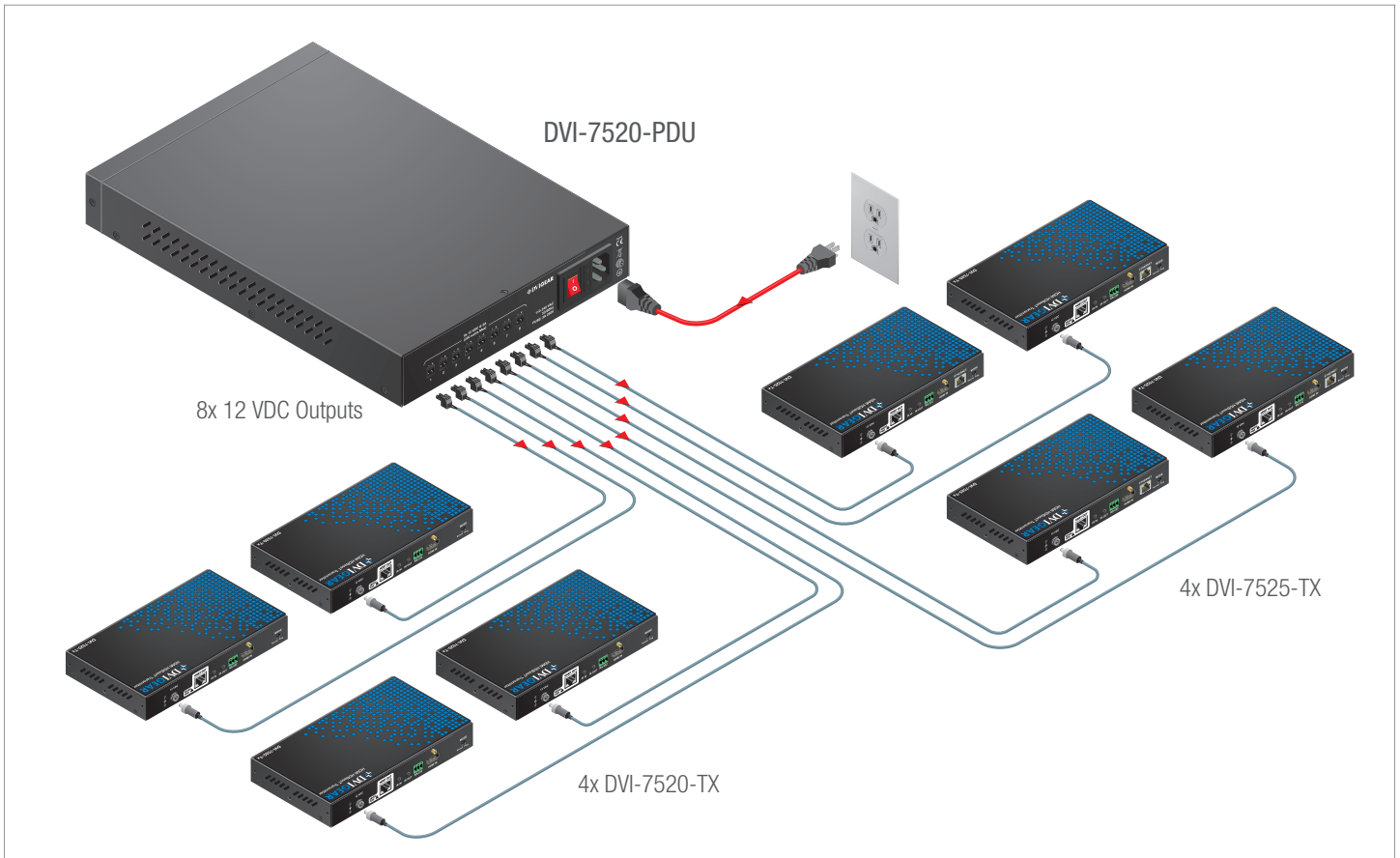
### FEATURES

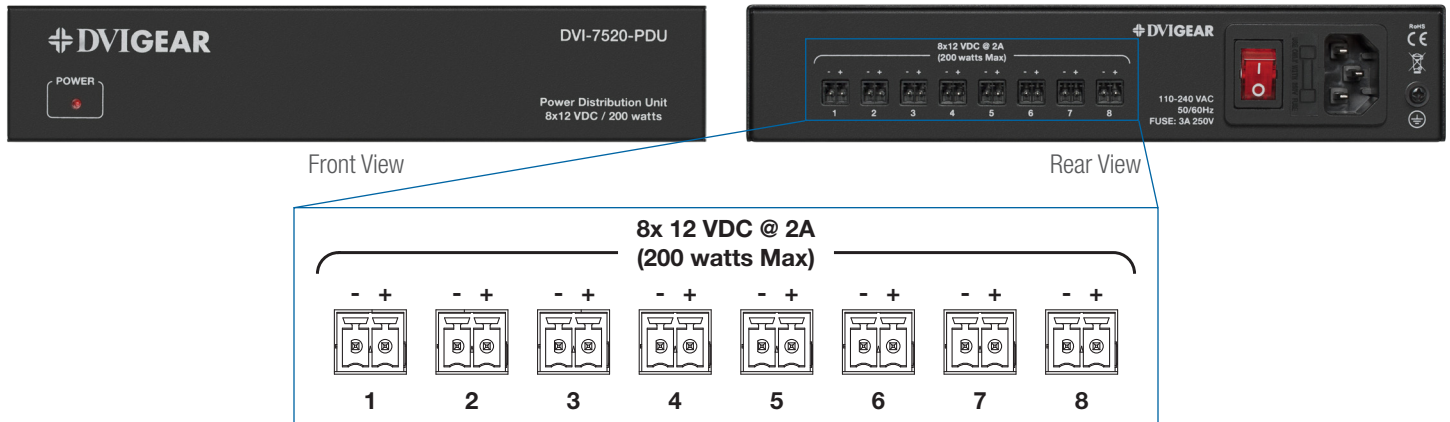
- 1U rack-mountable power supply. Ideal for use with DVIgear's DVI-75xx HDBaseT Extenders.
- Universal AC input (88-264 VAC)
- 8x +12 VDC outputs on Phoenix connectors
- Provides 2A / 24 watts per output, 16.7A / 200 watts total output power
- High reliability – greater than 220,000 MTBF
- Built-in active PFC function
- High efficiency – up to 89%
- Includes protection for overload, over-voltage and over-temperature
- Designed for use in harsh environments
- 3 year parts and labor warranty

### TYPICAL OPERATION WITHOUT DISTRIBUTED POWER



### APPLICATION WITH DISTRIBUTED POWER





### OPERATIONAL SPECIFICATIONS

DC Power Outputs	8x
Output Voltage	+12 VDC
Internal Power Supplies	1x
Total Output Power	200 watts
Total Output Current	16.7A
Maximum Power per Output	24 watts
Maximum Current per Output	2.0A
Maximum AC Current (115 / 230 VAC)	2.5A / 1.3A
AC Line Input Voltage Range	88-264 VAC
AC Line Input Frequency Range	47-63 Hz
AC Power Input Connector	IEC C14 power connector
DC Power Output Connectors	2-pin, 3.5 mm pitch Phoenix connectors
MTBF	> 220,000 hours
Operating Temperature	-22° to +158° F (-30° to +70° C)
Rack Height	1U, 1/2 rack width
Enclosure	Metal enclosure with jet black finish
Dimensions (W x D x H)	8.5" x 12.1" x 1.7" (214.9 mm x 308.1 mm x 42.4 mm)
Net Weight	6.5 lbs. (2.94 kg)
Compliance	FCC, CE, RoHS, UL – internal power supply
Warranty	3 years Parts and Labor
Included Accessories	8x DVI-7520-PSX Power Extension Cables
Optional Accessories	DVI-7520-RMK Rack Mount Kit

### SUPPLIED ACCESSORY



#### Power Extension Cable

DVI-7520-PSX

This 5.2 ft. (1.6 m) 18AWG cable has a 2-pin Phoenix connector at one end and a screw-lock 5.5mm power connector at the other end, which is compatible with DVIgear's DVI-75xx range of HDBaseT Extenders.

### OPTIONAL ACCESSORY



#### Rack Mount Kit

DVI-7520-RMK

This 1U high rack mount kit provides mounting holes for fastening two side-by-side DVI-7520-PDU units, or two other half-rack width units.

### INTERNAL POWER SUPPLY SPECIFICATIONS

Input	
Voltage Range	88-264 VAC
Frequency Range	47-63 Hz
Power Factor (typical)	115 VAC: PF>0.98 (at full load) 230 VAC: PF>0.95
Efficiency (typical)	89%
AC Current (typical)	115 VAC: 2.5A      230 VAC 1.3A
Inrush Current (typical)	115 VAC: 20A      230 VAC 40A
Leakage Current	<1mA @ 240 VAC
Output	
DC Voltage	+12 VDC
Rated Current	16.7 A
Current Range	0-16.7 A
Rated Power	200.4 watts
Ripple & Noise (maximum)	150 mVpp
Voltage Adjustment Range	10-13.2 VDC
Voltage Tolerance	±1.0%
Line Regulation	±0.3%
Load Regulation	±0.5%
Setup Time, Rise Time	115 VAC: 3000ms, 50ms (at full load) 230 VAC: 1500ms, 50ms
Hold-up Time (typical)	8ms at full load    115 VAC / 230 VAC
Protection	
Overload	105-135% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	13.8-16.2 VDC Protection type: Shut down output voltage, re-power to recover
Over Temperature	Shut down output voltage, recovers automatically after temperature goes down
Environmental	
Working Temperature, Humidity	-22° to +158° F (-30° to +70° C), 20-90% relative humidity, non-condensing
Storage Temperature, Humidity	-40° to +185° F (-40° to +85° C), 10-95% relative humidity
Temperature Coefficient	±0.03% / °C (+32° to +113° F / +0° to +45° C)
Vibration	10-500 Hz, 2G 10min. /1 cycle, 60 min. each along X, Y, Z axes
Safety, EMC, Reliability	
Safety Standards	UL60950-1, TUV EN60950-1, CCC GB4943 approved
Withstand Voltage	I/P-O/P: 3KVAC    I/P-FG: 2KVAC    O/P-FG: 0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC / 77° F (25° C) / 70% RH
EMC Emission	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2, -3, GB9254 class B, GB17625.1
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, light industry level, criteria A
MTBF	Greater than 220,000 hours per MIL-HDBK-217F (77° F / 25° C)

**Note:** All parameters NOT specially mentioned are measured at 230 VAC input, rated load and 77° F (25° C) of ambient temperature.