XMV Series

Multi-channel Power Amplifiers

XMV4280

XMV4140
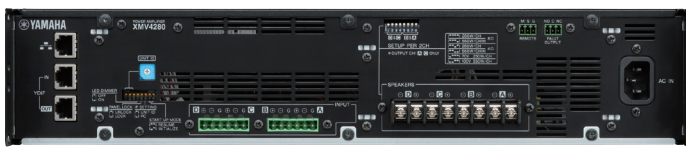
XMV4280 Rear Panel

YDIF | Class Amp | 2U

XMV4280-D

XMV4140-D

XMV4280-D Rear Panel

Dante™ | Class Amp | 2U

Multi-channel power amplifiers with features designed specifically to benefit installation sound systems.

- Four-channel power amp that can operate in both high-impedance (70V/100V line) or low-impedance (4Ω/8Ω) modes simultaneously.
- 70V or 100V mode can be assigned to every pair of channels without affecting the number of available output channels.
- The newly developed Double Power Mode function effectively doubles the output power of selected channels.
- Equipped with either YDIF* digital audio format or Audinate's digital audio network Dante for simple and fast system configuration.
- Easy setting such as the mute on/off or attenuator changes with MTX Editor when used in system with MTX Series.
- An innovative, new, patent pending circuit improves the already highly efficient Class D circuit topology, bringing the efficiency level of the amplifier's output stage up to over 90%.
- Feature a Power Factor Correction equipped switching power supply, ensuring harmonic control and decreasing the amount of current draw while maintaining the same output power.
- Powerful, intelligent protection features for more reliable operation.

*YDIF: the newly developed digital transmission format; a unique propriety Yamaha technology that delivers 16ch audio and word clock transmission via standard CAT5 Ether cable.

Model			XMV4280	XMV4140	XMV4280-D	XMV4140-D
Output Power	1kHz, THD+N = 1%	4Ω	280W x 4	140W x 4	280W x 4	140W x 4
		8Ω	280W x 4	140W x 4	280W x 4	140W x 4
		4Ω/ Double Power Mode	560W x 2	280W x 2	560W x 2	280W x 2
		8Ω/ Double Power Mode	560W x 2	280W x 2	560W x 2	280W x 2
	High impedance	100V line	250W x 4 / 40 Ω	125W x 4 / 80 Ω	250W x 4 / 40 Ω	125W x 4 / 80 Ω
		70V line	250W x 4 / 20 Ω	125W x 4 / 40 Ω	250W x 4 / 20 Ω	125W x 4 / 40 Ω
Voltage Gain	RL=8Ω		31.7dB	28.7dB	31.7dB	28.7dB
	RL=8Ω / Double Power Mode		34.7dB	31.7dB	34.7dB	31.7dB
	100V		38.2dB	38.2dB	38.2dB	38.2dB
	70V		35.2dB	35.2dB	35.2dB	35.2dB
Input Sensitivity	RL=8Ω		+4dBu			
S/N Ratio	A-weighted		≥ 100dB			
Power Consumption	1/8 power (4 Ω pink noise)		250W	150W	250W	150W
	Idle (4 Ω)		37W	37W	37W	37W
	Standby		18.5W	18.5W	18.5W	18.5W
THD+N	1kHz, half power		≤ 0.2%			
Frequency Response	RL=8Ω, 100V/70V, Po=1W, 20Hz - 20kHz		0dB, ±1.0dB			
Crosstalk	1kHz, half power, 8 Ω, Att. max, input 150 Ω shunt		≤ -60dB			
Maximum Input Level			+24dBu			
Input Impedance			20kΩ (balanced), 10k Ω (unbalanced)			
Connectors	Analog Input		Euroblock x 2 (6P, balanced)			
	Digital Input / Output		RJ45 x 2 (YDIF IN / OUT)		RJ45 x 2 (Dante PRIMARY / SECONDARY)	
	Speaker Output		Barrier strip x 4 pairs			
	Network		RJ45 x 1		Shared with Dante ports	
	Remote, Fault Output		Euroblock (3P) x 1			
	AC IN		AC Inlet x 1			
Load Protection			POWER switch on/off: Output mute, DC-fault: Power supply shuts down, Clip limiting			
Amplifier Protection			Thermal: Output mute (heatsink temp ≥90°C) (Restored automatically), Overcurrent: Output mute (Restored automatically), Low load impedance: Output mute (Restored automatically)			
Power Supply Protection			Thermal: Amplifier shuts down automatically (heatsink temp ≥100°C) , Integrated power: Gain reduction (Restored automatically)			
Cooling Fan			3-Speed fan x 2, front-to-back airflow			
Power Requirements			100V, 120V, 230V-240V; 50Hz/60Hz			
Dimensions (WxHxD)			480 x 88 x 422mm (18.9" x 3.5" x 16.6")			
Weight			8.1kg (17.9lbs)			

* Half power = 1/2 power output level

unit : mm

421.6

480

88