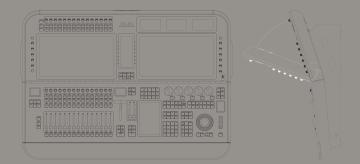# Features

CONTROL SURFACE

15 + 2 motorised touch-sensitive Penny & Giles faders – designer fader cap

11-segment RGB LED level indicator alongside each fader

Halo RGB indicatorfor each playback

40 optical rotary touch sensitive playback encoders with push function - designer knob

11-segment RGB LED level indicator alongside each encoder

RGB halo indicator for each encoder

90 C&K playback function buttons with positive haptics for timing – designer button cap

2 x 15.6" 1000nits 1920*1080 capacitive touchscreens with adjustable brightness

3 x 4.3" 1000nits 800x480 preview touchscreens for media or workspaces

Softkey menu touchscreen

Independent paging for each playback section

Programming buttons all RGB backlit, short travel Cherry® MX Low Profile switches

5 custom RGB backlit optical attribute encoders

Dedicated level wheel, machined aluminium with colour LCD status screen

T-Bar with 5 control buttons and a colour LCD status screen

Dual, motorised, touch-sensitive, master cue list fader control with 9 buttons

7" dual-touch high-brightness 800*1280 programming screen

Full custom backlit QWERTY keyboard in drawer, keys identical to program panel

X, Y, Z, optical trackball

21 backlit Macro / Executor keys, all screen-labelled

Supports two additional HDMI 1920*1080 touchscreens

CONSTRUCTION

Panels machined from single pieces of solid aluminium

Comfortable armrest

Exclusively manufactured button caps, fader caps, encoder knobs, encoder wheels and level wheel

All screens flush-mounted

Infinitely adjustable hydraulic screen panel articulation – 18 to 68 degrees from horizontal

Software

SOFTWARE PLATFORM	AVOLITES TITAN	PLAYBACK CONTROL	USER DEFINED USING MULTIPLE FADERS, ENCODERS AND BUTTONS
DMX CHANNELS PER DEVICE	16,384		
DMX CHANNELS PER SYSTEM	32,768	EXTERNAL CONTROLE	WEB API, SMPTE, MIDI, DMX, S-ACN, GPIO
MAX FIXTURES	UNLIMITED		
KEYFRAME EFFECT ENGINE	CUSTOM EFFECTS WITH ANY NUMBER OF KEYFRAMES	TITAN NET	MULTI-USER & DMX EXPANSION
		OUTPUT FORMATS	ARTNET, S-ACN, DMX512
PIXEL MAPPING	VIDEO VIA SYNERGY, PIXEL ANIMATIONS FROM TITAN	BASE OS	MICROSOFT WINDOWS 10 ENTERPRISE LTSC 64 BIT

Hardware

CPU	INTEL I7-9700K 9TH GEN UP TO 4.9GHZ	POWER CONSUMPTION	MAX 380W
		VOLTAGE	110 – 240V AC, 50-60HZ
SYSTEM RAM	16GB	OPERATING ENVIRONMENT	OPERATING TEMP 0-40C / 32-104F MAX HUMIDITY 95% RELATIVE NON-CONDENSING
GPU	AMD RADEON PRO WX-5100 4TH GEN		
UNIT DIMENSIONS (W X D X H)	995 X 640 X 455 MM (SCREENS UP), 995 X 705 X 240 MM (SCREENS DOWN)	HEAT OUTPUT	MAX 1297 BTU/HR
		INTERNAL UPS	UP TO 5 SEPARATE 4-MINUTE PERIODS, FULLY SOFTWARE INTEGRATED, WITH BYPASS SWITCH
	39.2" X 25.2" X 17.9" (SCREENS UP), 39.2" X 27.8" X 9.5" (SCREENS DOWN)		
WEIGHT	54 KG / 120 LBS		

Connectivity

DMX 512	8 X NEUTRIK 5-PIN XLR, OPTICALLY AND GALVANICALLY ISOLATED WITH HALO ASSIGNMENT INDICATORS
NETWORK	4 X 1GBE NEUTRIK ETHERCON, INTERNALLY SWITCHED & MANAGED 1 X QUAD OPTICALCON 1GBE LC CONNECTION 1 X 1GB ETHERCON, NETWORK 2 OPTIONAL UPGRADE TO ADD: 1 X 10GBE CONNECTION TO OPTICALCON 1 X 10GBE NEUTRIK ETHERCON
DATA / PERIPHERALS	1 X USB 3.1 UNDER ARMREST 1 X USB 3.1 ON FRONT PANEL 2 X USB 3.1 BACK PANEL 2 X USB 2.0 ASSIGNED FOR EXTERNAL TOUCHSCREENS
EXTERNAL DISPLAY	2 X HDMI UP TO 1920*1080
SMPTE	1 X 3-PIN NEUTRIK XLR TRANSFORMER ISOLATED INPUT WITH SIGNAL INDICATOR PLUS 3-PIN XLR LOOP OUT.
TRIGGER INPUTS	GPIO 4 IN/4 OUT, ISOLATED, AND DRY CONTACTS ¼" JACK FOR FOOT SWITCH. DMX512 DEDICATED INPUT WITH INDICATOR AUDIO INPUT 3-PIN XLR WITH INDICATOR
MIDI	IN, THRU, OUT ON 5-PIN DIN WITH SIGNAL AND ENABLED INDICATORS USB MIDI SUPPORTED
AUDIO OUT	DIGITAL S/PDIF RCA
MAINS POWER	NEUTRIK TRUE1®

The Diamond 9 console comes with a 2-year systems manufacturer warranty.