PL-MT-720N

Overview

The PL-MT-720N is a Professional 700W LED Profile Moving Head designed for theatres, television studios, concert touring, broadcast productions, houses of worship and large-scale entertainment venues.
Powered by a high-efficiency 700W white LED engine, the fixture combines an advanced precision optical system, high-transmission optical lens, professional CMY color mixing, linear CTO correction, dual prism system, dual gobo wheels, and a 4-blade framing module to deliver exceptional optical performance, accurate color reproduction and outstanding projection quality.
The upgraded optical engine provides excellent color consistency, smooth 16-bit dimming, high-frequency flicker-free operation and precision motion control, ensuring superior performance for professional stage and broadcast applications.

Key Feature

- 700W High-Power White LED Engine
- Precision Optical Projection System
- High-Transmission Multi-Coated Optical Lens
- 7300K Daylight White Output
- CRI ≥98
- CCT Consistency ±70K
- Professional CMY Color Mixing System
- Linear CTO Correction (3000K–6500K)
- Motorized Zoom 3°–40°
- Motorized HD Focus
- Dual Independent Color Wheels
- Static & Rotating Gobo Wheels
- Dual Rotatable & Stackable Prism System
- Four-Blade Rotating Framing System
- Motorized Iris
- Smooth 16-bit Linear Dimming
- High-frequency Flicker-free PWM (2kHz–25kHz)
- Fast 16-bit Pan/Tilt Positioning
- Intelligent Thermal Management
- Low-Noise Cooling System
- DMX512 / Auto / Master-Slave Operation
- Professional Touring Grade Construction



Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk

PL-MT-720N

Specification

Specification	Details
Type	Professional 700W LED Profile Moving Head
Power Supply	AC100–240V, 50/60Hz (Auto Sensing)
Power Consumption	500W
Light Source	700W High-Power White LED Module
LED Lifetime	≥20,000 Hours
MTBF	≥20,000 Hours
Color Temperature	7300K
CCT Consistency	±70K
CRI (Color Rendering Index)	≥98
Optical System	Precision Optical Projection System
Lens	High-Transmission Multi-Coated Optical Lens
Zoom Range	3°–40° Motorized Zoom
Focus	Motorized HD Focus (2m–∞)
Dimming	Smooth 0–100% Linear 16-bit
Flicker-free	High-frequency PWM (2kHz–25kHz)
Strobe	1–25 Flashes/s (Random & Pulse Modes)
Color Mixing	Professional Linear CMY Color Mixing System
CTO	Linear CTO Correction (3000K–6500K)
Color Wheel 1	4 Colors + White
Color Wheel 2	4 Colors + White with Rainbow Effect
Static Gobo Wheel	11 Gobos + Flame Effect + Open
Rotating Gobo Wheel	6 Rotating Gobos + Water Effect
Gobo Effects	Shake, Indexing, Bidirectional Rotation

Specification	Details
Prism System	Dual Rotatable & Stackable Prism (3-Facet & 8-Facet)
Framing System	Four Rotating Framing Blades, 150° Rotation
Iris	Motorized Linear Iris, 5%–100%
Control Modes	DMX512 / Auto / Master-Slave
DMX Channels	35 Channels
Control Protocol	DMX512 (1990 Standard)
Pan	540° (16-bit Resolution)
Tilt	270° (16-bit Resolution)
Positioning	Fast 16-bit Pan/Tilt Positioning
Cooling System	Intelligent Thermal Management with Low-Noise Axial Fan
Protection	Overheat Protection, Automatic Power-Off
Housing	High-Temperature Resistant Composite Housing
Operating Temperature	-20°C to +40°C
IP Rating	IP20
DMX Connection	3-pin XLR IN/OUT
Dimensions (L×W×H)	385 × 280 × 700 mm
Weight	25.5 kg

Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk