TIGER NATIVE 4K LASER SERIES

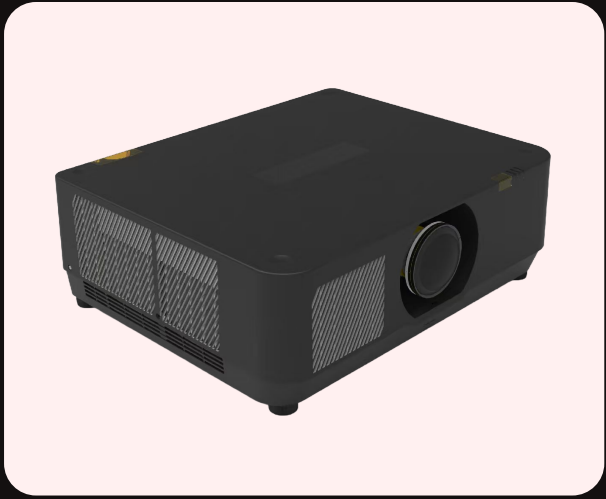
PRELIMINARY

EP-T756K

7,000 lm Native 4K Laser Projector

Next-generation imaging platform for immersive, simulation and large-format applications.

NATIVE 4K DLP | 4K / 60 Hz INPUT | CUSTOM OPTICS



7,000
ANSI LUMENS

NATIVE 4K
3840 X 2160

20,000h
STANDARD LIFE

FLAGSHIP PROFESSIONAL IMAGING PLATFORM

Native 4K | Motorized optics | Edge blending | Lens memory | DMX512 | Closed optical design

PRELIMINARY SPECIFICATIONS

EP-T756K

IMAGING

PROJECTION SYSTEM	Single-chip DLP, 0.65-inch DMD
NATIVE RESOLUTION	3840 x 2160
TYPICAL BRIGHTNESS	7,000 lm
DYNAMIC CONTRAST	1,000,000:1
UNIFORMITY	90% minimum, 9-point
COLOUR GAMUT	90% BT.709
ASPECT RATIOS	Auto, 16:9, 16:10, 4:3, 21:9
INPUT CAPABILITY	Up to 4K / 60 Hz

LIGHT SOURCE

TYPE	Laser light source
STANDARD LIFE	20,000 hours
ECO LIFE	30,000 hours

OPTICS & GEOMETRY

STANDARD LENS	1.23-1.97:1
LENS OPERATION	Motorized zoom and focus
SCREEN SIZE	60-500 inches
GUARANTEED RANGE	80-150 inches
LENS SHIFT	Vertical +/-58%, horizontal +/-23%
KEYSTONE	Horizontal / vertical +/-40 degrees
EDGE BLENDING	Supported
LENS MEMORY	Supported

POWER & ENVIRONMENT

POWER CONSUMPTION	600 W
STANDBY	<0.5 W
NOISE / ECO	36 dB / 32 dB
OPERATING TEMPERATURE	0-45 degrees C
OPERATING ALTITUDE	0-3,650 m

CUSTOM OPTICS PROGRAMME

EP-T756K

CUSTOM OPTICS AVAILABLE

Special throw ratios and application-specific lenses can be engineered and manufactured on request.

FULL PRODUCTION LENS RANGE TO BE PUBLISHED

Until the standard lens portfolio is finalized, project-specific optics may be developed through an application review.

01 PROJECTION GEOMETRY

Image width, image height, aspect ratio and required screen coverage.

02 WORKING DISTANCE

Lens-to-screen distance, available installation depth and clearance limitations.

03 SHIFT REQUIREMENT

Horizontal and vertical optical shift, orientation and off-axis placement.

04 APPLICATION TYPE

Immersive room, dome, simulation, projection mapping or large-venue display.

05 IMAGE PERFORMANCE

Brightness target, focus uniformity, distortion tolerance and edge resolution.

06 MECHANICAL INTERFACE

Mounting constraints, environmental conditions and serviceability requirements.

PRELIMINARY OPTICS NOTE: Standard lens data and final compatibility tables remain subject to production release.

CONNECTIVITY & PLATFORM FEATURES

EP-T756K

REAR CONNECTIVITY

CHASSIS VIEW

INPUTS, OUTPUTS & CONTROL

HDMI	2 x HDMI 2.0 input, 1 x HDMI 2.0 output
LONG-DISTANCE	1 x HDBaseT
USB	3 x USB-A, 1 x USB-B
NETWORK	RJ45 LAN control
CONTROL	RS-232, wired remote input, DMX512
AUDIO	1 x 3.5 mm output, 1 x 16 W speaker
SYNC RANGES	H 15-135 kHz, V 24-88 Hz

PLATFORM & INSTALLATION

DIMENSIONS	600 x 491.1 x 215 mm, including feet
NET WEIGHT	Approx. 18.5 kg
PROJECTION	360-degree installation
OPTICAL ENGINE	Closed optical design
CONTROL PROTOCOLS	PJLink, AMX, HTTP and Telnet
FUNCTIONS	HDR, DICOM SIM, game mode, super resolution
SUPPLIED	Power cord, remote, HDMI cable, documentation