



HIVE

HIVE DATASHEET – BEEBLADE NEXUS

BEEBLADE

NEXUS

8K PLAYBACK / 8K OUTPUT



THE WORLD'S
MOST POWERFUL
SDM MEDIA ENGINE

INGENIOUS BY
NATURE

The NEXUS variant is a groundbreaking innovation, proudly standing as the world's first 8K60 output SDM Media Engine with HDMI Genlock.

Designed for unparalleled precision, it utilises our proprietary beesync technology to achieve HDMI Genlock at up to 8k60 on its HDMI 2.1 output for seamless synchronization and SMPTE 2110 support via a high-speed 100Gb QSFP connection, making it a trailblazer in professional media delivery.

With its ability to handle cutting-edge workflows, the Nexus is built for environments where reliability and top-tier performance are non-negotiable. Whether you're delivering stunning 8K content or integrating into advanced IP-based workflows, the Nexus sets a new standard for media engine technology, offering unmatched versatility and efficiency for the most demanding applications.



Beeblade NEXUS
inside a **NUCLEUS** (x1, x2)



Beeblade NEXUS
inside a **BEEHIVE** (8)



Beeblade NEXUS
fits inside an SDM
Compatible Projector (x1)



Beeblade NEXUS
fits inside an SDM
Compatible Professional Display (x1)

PRODUCT SPECIFICATIONS

GPU	Intel® ARC®
Memory	32GB DDR5
Storage Option 1	2TB
Max media resolution	8192 x 4320 @ 60
Output	HDMI 2.1, NDI
Max output resolution	8192 x 4320 @ 60
Max frame rate	240 FPS (4K)
Max HEVC bit rate	800 Mbit
Layers	2 x 4k or 1 x 8k + Media Regions
Ethernet 1	2.5 Gigabit
Ethernet 2	100 Gb or 25 Gb or, 10Gb
Video Input	NDI, USB, SMPTE 2110, . HDMI 2.0 [optional HDMI input board required]
Connections	SDM, USB 3.0, RJ45, HDMI 2.1, QSFP
Inputs	NDI, USB capture, SMPTE 2110
Voltage	12V dc or SDM
Power	55W average 60W max
Dimensions	W 175mm x D 100mm x H 24.5mm
Weight	500g
Operating temperature	0°C to 25°C
Cooling	Internal fan (~45dB)
Codec support	H265 / HEVC, H264, Notch LC, AIM
Control	Artnet, UDP, OSC, HTTP, Websockets, StreamDeck, Companion
Synchronisation	Beesync HDMI genlock equivalent, SMPTE MTC, Artnet timecode
Software	Hive Render Engine, Hive Web Server, OS: Ubuntu 22.04
Optional Accessories	PSU, optional enclosures for non SDM displays

PRODUCT DIMENSIONS

