



# Beeblade

[MINIMA, OSMIA  
& PLUTO]



Beeblade improves the way visual experiences can be powered with pixel perfect video and audio playback. Inspired by nature's most intelligent networks, multiple units can be easily combined to control video systems with unlimited resolution. It's the hidden hero behind complex, creative video.

# REVOLUTIONARY

# MEDIA PLAYBACK

With all the functionality you need, the Beeblade family caters to your vision:

- Minima with HD playback for less demanding applications
- Osmia with 4K media playback and output
- Pluto for large scale mapping with 8K media playback and 4K output

Simply slot Beeblade into SDM-equipped projectors and displays, house it in our Beebox enclosure, or slot up to 16 Beeblades into Beehive for multi-screen playback projects.

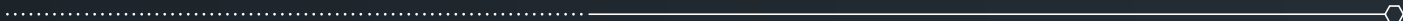
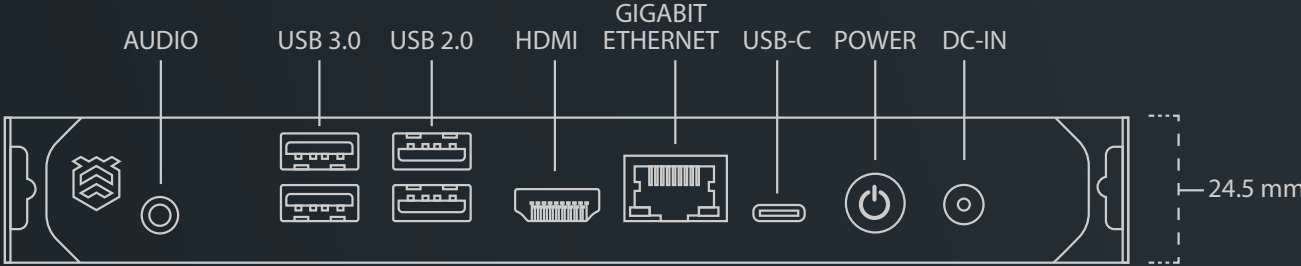
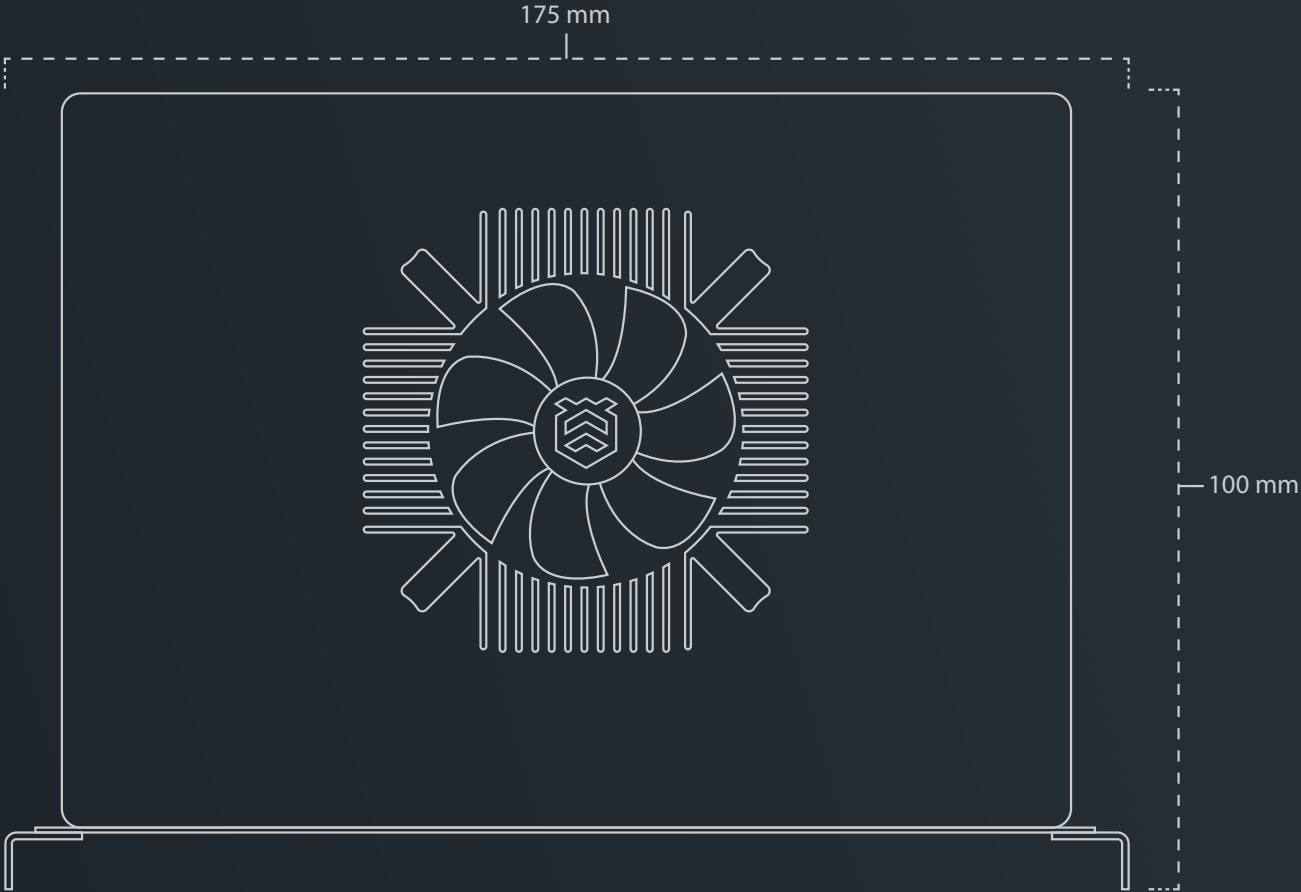
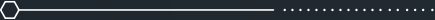
# AV DONE DIFFERENTLY

## SPECIFICATIONS

Product family	Beeblade	Beeblade	Beeblade
Variant	Minima	Osmia	Pluto
GPU	Intel® UHD	Intel® IRIS® Xe	Intel® IRIS® Xe
Memory	16Gb DDR4 3200	16Gb DDR4 3200	32Gb DDR4 3200
Storage option 1	500Gb	1Tb	2Tb
Storage option 2	1Tb	2Tb	4Tb
Max media resolution	2048 x 2160 @ 60	4096 x 2160 @ 60	8192 x 4320 @ 60
Output	HDMI 2.0	HDMI 2.0	HDMI 2.0
Max output resolution	2048 x 2160 @ 60	4096 x 2160 @ 60	4096 x 2160 @ 60
Max frame rate	60 FPS	120 FPS (HD)	240 FPS (HD)
Max HEVC bit rate	240 Mbit	400 Mbit	800 Mbit
Layers	x2 (2k)	x2 (4k)	x2 (4k), 1 x (8K)
Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet
Connections	SDM, USB 2.0, USB 3.0, USB C, RJ45, HDMI 2.0	SDM, USB 2.0, USB 3.0, USB C, RJ45, HDMI 2.0	SDM, USB 2.0, USB 3.0, USB C, RJ45, HDMI 2.0
Inputs	NDI, USB capture	NDI, USB capture	NDI, USB capture
Power	12V dc or SDM	12V DC or SDM	12V dc or SDM
Wattage	25W average 60W max	30W average 60W max	40W average 60W max
Dimensions	W 175mm x D 100mm x H 24.5mm	W 175mm x D 100mm x H 24.5mm	W 175mm x D 100mm x H 24.5mm
Weight	250g	250g	250g
Operating temperature	-20 to 32°C	-20 to 32°C	-20 to 32°C
Cooling	Internal fan (~45dB)	Internal fan (~45dB)	Internal fan (~45dB)
Codec support	H265/HEVC, H264, Avolites AIM, Notch LC	H265/HEVC, H264, Avolites AIM, Notch LC	H265/HEVC, H264, Avolites AIM, Notch LC
Control	Comprehensive UDP commands, Artnet personality, HTTP interface	Comprehensive UDP commands, Artnet personality, HTTP interface	Comprehensive UDP commands, Artnet personality, HTTP interface
Synchronisation	Beesync HDMI genlock equivalent, SMPTE MTC, Artnet timecode	Beesync HDMI genlock equivalent, SMPTE MTC, Artnet timecode	Beesync HDMI genlock equivalent, SMPTE MTC, Artnet timecode
Software	Hive Render Engine, Hive Web ServerOS: Linux 20.04	Hive Render Engine, Hive Web ServerOS: Linux 20.04	Hive Render Engine, Hive Web ServerOS: Linux 20.04
Accessories	PSU, optional enclosure for non SDM displays	PSU, optional enclosure for non SDM displays	PSU, optional enclosure for non SDM displays



# PRODUCT DIMENSIONS





The next generation of media playback: HIVE was launched to the public on March 1<sup>st</sup>, 2022. The product range harnesses our team's combined 40 years of experience in entertainment technology. USPs include functionality, affordability, and industry expertise, combined into one dynamic and disruptive product range.

Hive Media Control Ltd. Unit 2, Riverside House, Sedgwick Lane, Horsham, RH13 6QE

