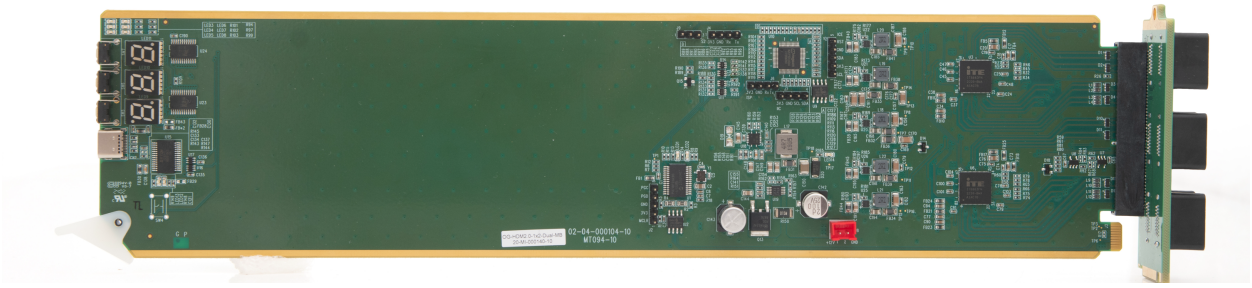
OG-HDM2.0-1x2-Dual
User Manual



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1.0 WHAT'S IN THE BOX

OG-HDM2.0-1x2-Dual-SET-1

- 1 x OG-HDM2.0-1x2-Dual-MB
- 1 x OG-HDM2.0-1x2-Dual-RM

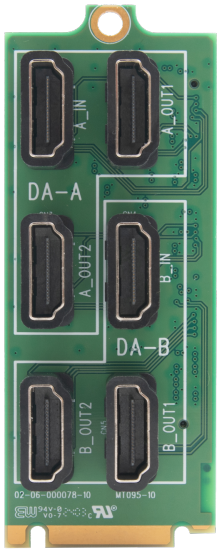
2.0 Key Features

- OGX/3.0 card-based form factor.
- Dashboard control enabled.
- Supports 4K/UHD 24/25/30/50/60Hz
- Patent Pending Intelligent EDID management Technology (iDOT™) that supports builg-in down scaler, chroma re-sampler and color space conversion
- Supports LPCM, Dolby True HD and Dolby Digital
- Low power consumption - less than 10 W.
- 5-year limited warranty

3.0 Specifications

Description	Dual Density HDMI 1x2 splitters on a single board
Product Name	OG-HDM2.0-1x2-Dual
Video Input	2 x HDMI 2.0
Video Output	4 x HDMI 2.0
HDCP	HDCP 1.4/2/2
Control	Dashboard
Resolution	4Kx2K(UHD)@60(4:4:4 8 bit)/(4:2:0, 12bit)
Distance	10 m max (33 ft)
Dyanic Range	HDR/SDR, 4:4:4, 4:2:2
Audio Support	LPMC, Dolby True HD, Dolby Digital/Plus, EX, DTS, DTS-HD master

4.0 Rear Modules



OG-HDM2.0-1x2-Dual

5.0 Dashboard Control

5.1 Getting Started

The Dashboard software is design to allow you to quickly access the feature sets of openGear form factor cards on a simple User Interface. This section will help you get up and running as quickly as possible.

5.2 Running Dashboard

Before you can successfully run the Dashboard software for the first time you must first download it from https://www.opengear.tv/frame-and-control/control-system/download/. Run the downloaded setup file and choose an appropriate installation location on your computer's storage.

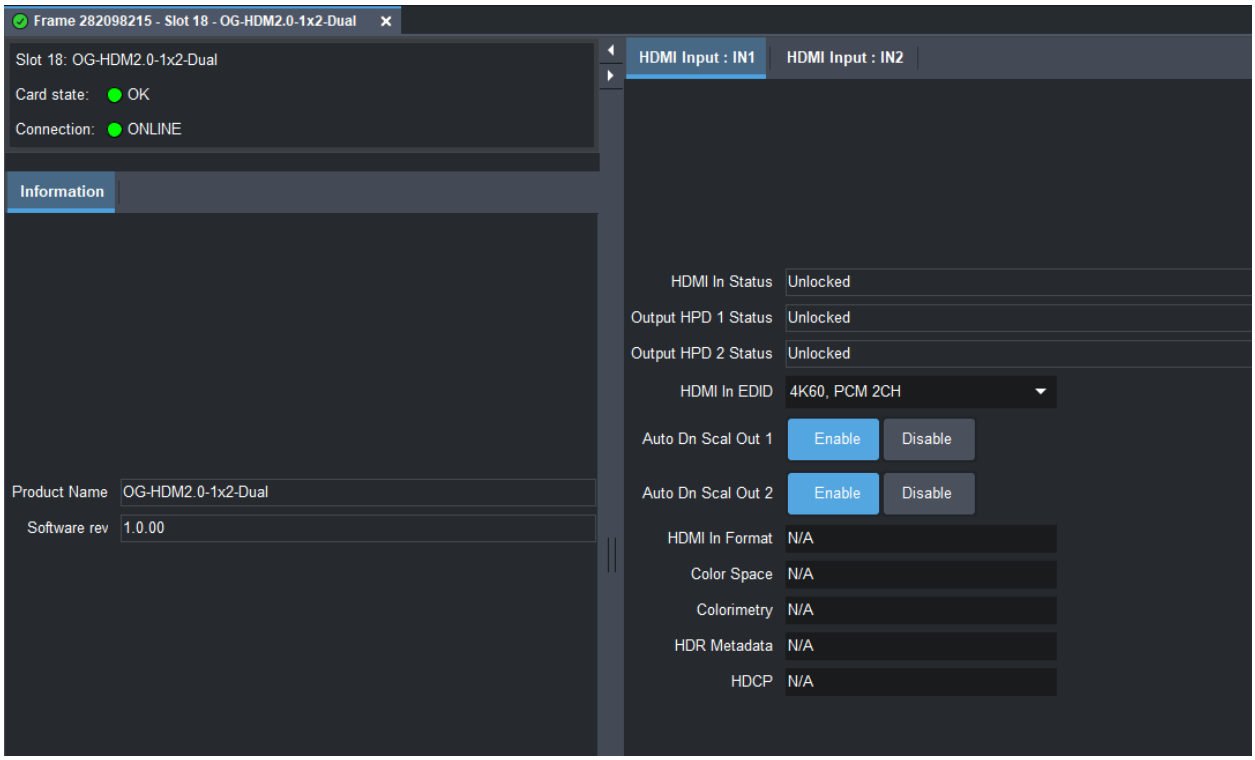
Now you can run the Dashboard by double clicking on the Dashboard icon.

5.3 OG-HDM2.0-1x2-Dual Dashboard

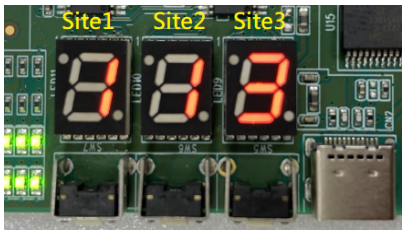
OG-HDM2.0-1x2-Dual is a very straight forward plug and play card.

The Dashboard interfaces are as follows,

5.3.1 Signal Status and configuration



5.3.2 Segment Digital Display Mode



Seven-segment display			EDID Function
Site 1	Site 2	Site 3	
1	0	1	Copy DA-A Out1
	0	2	Copy DA-A Out2
	0	3	Copy DA-B Out1
	0	4	Copy DA-B Out2
	1	1	FHD
	1	2	4K 420
	1	3	4K UHD
	1	4	4K HDR

	1	5	4K 420 5.1ch
	1	6	4K UHD 5.1ch
	1	7	4K HDR 5.1ch
2	0	1	Copy DA-A Out1
	0	2	Copy DA-A Out2
	0	3	Copy DA-B Out1
	0	4	Copy DA-B Out2
	1	1	FHD
	1	2	4K 420
	1	3	4K UHD
	1	4	4K HDR
	1	5	4K 420 5.1ch
	1	6	4K UHD 5.1ch
	1	7	4K HDR 5.1ch
3	1	0	DA-A Out1 down scaling Enable
		1	DA-A Out1 down scaling Disable
	2	0	DA-A Out2 down scaling Enable
		1	DA-A Out2 down scaling Disable
4	1	0	DA-A Out1 down scaling Enable
		1	DA-A Out1 down scaling Disable
	2	0	DA-A Out2 down scaling Enable
		1	DA-A Out2 down scaling Disable

Appendex A

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If the Product proves to be defective during the three (3) year warranty period, the purchaser's exclusive remedy and Apantac's sole obligation under this warranty is expressly limited, at Apantac's sole option, to:

(a) repair the defective Product without charge for parts and labor or,
(b) provide a replacement in exchange for the defective Product or,
(c) if after a reasonable time, is unable to correct the defect or provide a replacement Product in good working order, then the purchaser shall be entitled to recover damages subject to the limitation of liability set forth below.

Limitation of Liability

Apantac's liability under this warranty shall not exceed the purchase price paid for the defective product. In no event shall Apantac be liable for any incidental, special or consequential damages, including without limitation, loss of profits for any breach of this warranty.

If Apantac replaces the defective Product with a replacement Product as provided under the terms of this Warranty, in no event will the term of the warranty on the replacement Product exceed the number of months remaining on the warranty covering the defective Product.

Equipment manufactured by other suppliers and supplied by Apantac carries the respective manufacturer's warranty. Apantac assumes no warranty responsibility either expressed or implied for equipment manufactured by others and supplied by Apantac.

This hardware warranty shall not apply to any defect, failure, or damage:

a) Caused by improper use of the Product or inadequate maintenance and care of the Product.
b) Resulting from attempts by those other than Apantac representatives to install, repair, or service the Product.
c) Caused by installation of the Product in a hostile operating environment or connection of the Product to incompatible equipment.