iolite 12i

SMALL SIZE
EPIC PERFORMANCE
Advanced Graphics Display Technology

+ COMPACT VIDEO DISPLAY DISPLAY TECHNOLOGY

The ability to drive multiple screens from a single, simple controller is a key requirement for businesses wanting the ability to display video, news feeds, corporate messaging and traditional signage in their reception areas, as well as enhancing their conferencing and presentation facilities.

The iolite 12i is a compact wall controller designed specifically for environments that require very low noise levels, where space is at a premium. It is rack mountable and includes twelve integrated HDMI outputs, and three 4K DisplayPort outputs[1]. The two integrated x4 Gen.3 PCIe slots can be populated with various Datapath capture cards or SQX (IP decode) cards[2] to meet specific needs, making it the perfect choice for smaller video wall installations requiring a compact, quiet controller that still offers a degree of flexibility and configuration.

+ DRIVING VIDEO WALL INSTALLATIONS

Combined with a high performance Windows system, the iolite 12i can drive multiple screens simultaneously, delivering video captured from a range of sources including media players, television set top boxes, IP cameras and online or local media. The iolite 12i is available as standard with an Intel Corei5 processor, 128GB SSD hard drive and 8GB RAM. Upgrade options are available to allow the inclusion of additional, high capacity HDD drive, increased memory (up to 16GB) and Intel Corei7 processor.

Engineering the world's best visual solutions

+ OUTPUT CONFIGURATIONS

The iolite 12i offers users the flexibility to enable various combinations of the on-board DisplayPort and HDMI outputs depending on the application and requirements.

The supported configurations are shown below:

Active/Connected DisplayPort	Available HDMI
0	12
1	8
2	4
3	0

As shown, use of each DisplayPort connection replaces 4 HDMI ports. The HDMI ports are grouped as shown in the image below, with HDMI ports 1-4 linked to DisplayPort 1; HDMI ports 5-8 linked to DisplayPort 2, and HDMI ports 9-12 linked to DisplayPort 3.

Note: All HDMI ports in each group must be configured to run at the same resolution (maximum of 1920x1080p at 60 fps).

+ FULLY FEATURED WALL CONTROL

The iolite 12i is compatible with Datapath's WallControl 10 software. WallControl 10 allows users to quickly and easily place video sources anywhere on the video wall. Common arrangements can be saved as layouts for recall at any time and any section of the wall can contain "carousels" of videos playing one after the other at definable intervals. Administrators of WallControl 10 are able to configure a single system to drive multiple walls. Each of these walls can be assigned a number of user roles, and each user role can allow different access to sources, local videos, layouts and templates.[3]

+ SPECIFICATIONS

MOTHERBOARD	
SBC	COTS mini ITX motherboard with HDMI & DisplayPort control screen
Outputs	12 x integrated HDMI outputs (1920x1080p @60fps) 3 x integrated DisplayPort 1.2 outputs (3840x2160p @60fps)[1]
Expansion slots	2 x PCIe x4 Gen3
USB connectivity	4 x USB 3.0 Ports (Rear) 2 x USB 2.0 Ports (Front)
Ethernet	2 x Intel Gigabit LAN
Wi-Fi	Optional (via USB adapter)
PROCESSOR	
Standard	Intel Corei5
Optional Upgrade	Intel Corei7
MEMORY	
Standard	8GB
Optional Upgrade	16GB
DISK STORAGE	
Standard	128GB MSATA SSD
Optional Upgrade	Additional 1TB disk for storage
OPERATING SYSTEM	Windows 10 LTSB
POWER SUPPLY	ATX 250 watts
DIMENSIONS	
Length	296mm
Height	90mm
Width	427mm
Weight	10 - 15kg (shipped 15 - 20kg)
COMPLIANCE	FCC / CE / RoHS

[1] *Each active DisplayPort replaces 4 HDMI outputs. Configurations can be split (e.g. one active DisplayPort with 8 HDMI).*

[2] *The following cards are suitable for use: within the iolite 12i: VisionSC-DP2, VisionSC-HD4+, VisionSC-SDI4, VisionSD8, VisionAV-HD & ActiveSQX.*

[3] *MultiWall and User Rights Management are only available with WallControl 10 Pro.*

DATAPATH
EXCELLENCE BY DESIGN