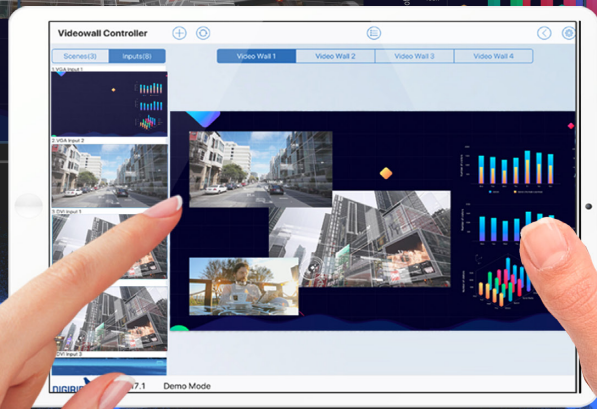# DIGIBIRD

VWC2-ROC

ROC Series is a compact video wall controller which delivers 4k/60 visual experiences. Up to 4x input sources can be displayed simultaneously to LCD wall or LED wall with any size and at any position. With capabilities to support embedded audio and eARC, ROC offers higher flexibility for versatile applications, such as meeting rooms, small control rooms and digital signage.

4K 60   **EDID**   **PIP & OVERLAY**   **HDCP2.2**

Video Wall Controller

FEATURES

4K60, 4:4:4
With no compromise on image quality, ROC delivers 4K60 experience at 4:4:4, which ensures all details will be presented.

Quick response
Boot up in 20s, source switching response time less than 20ms, scenes recalling response time less than 16ms.
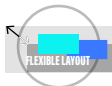
Reliable
Pure-hardware FPGA array. No embedded OS, designed for 24 x 7 mission critical working conditions.

Audio is essential
Farewell to silent era, ROC makes it possible to process audio and video concurrently. Audio can be switched to any HDMI output in embedded or to an independent 3.5mm audio output.

Flexible layout
Flexible windowing supports arbitrary layout, scaling, stretching and picture in picture.

Easy to use & install
The intuitive user interface allows efficient reaction time and reduced learning cost.

DATASHEET

Item	Description
Interface	HDMI 2.0
Scale	4X4, 4X8, 4X12
Input	3840x 2160 60Hz, chroma sampling 4:4:4
Output	3840x 2160 60Hz, chroma sampling 4:4:4
Functionality	PIP, overlay, zooming and roaming
Audio	All ports support embedded audio 1x 3.5mm mini-jack auido output Supports audio volume adjust
Preview	Preview input contents and virtual video wall display
Control	TCP/IP or RS232 PC software, iOS App and Android App

Item	Description
HDCP 2.2	Support
EDID	Support
Customized Resolution	Support
Source Switching Response	≤20ms
Window Creating Response	≤16ms
Scenario Recalling Response	≤16ms
Dimensions (mm)	483(L) x 44(H)x 406(D)
Operating Temperature	minus 10° to +40° C
Storage Temperature	minus 10° to 70° C
Operating Humidity	10% to 85%, Non-condensing
Storage Humidity	10% to 90%, Non-condensing
MTBF	100,000 hrs