
DATA-TRONIX[®]

VidcasterIP
Virtual Video Matrix

VidCasterIP Quick Start Guide

V1.0

This guide is used as an example to briefly introduce how to use VidCasterIP on iPad and Windows. iPad Air 2 is recommended for best performance.

VidCasterIP on iPad

Key Features

Supports grouping

Downloading VidCasterIP

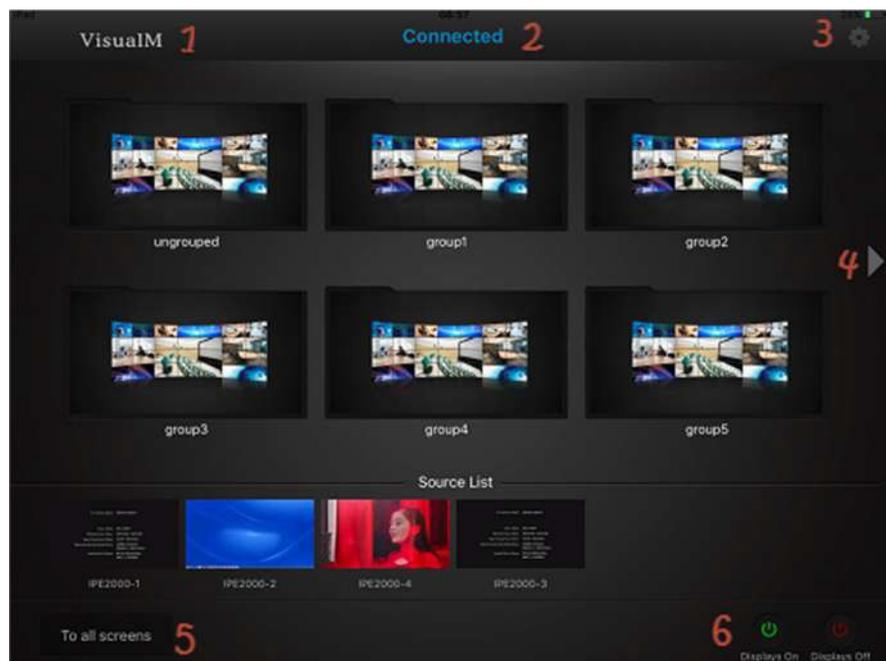
Search **VidCasterIP** in the Apple store and download it.

Operating VidCasterIP

Launching VidCasterIP

VidCasterIP automatically connects to the DT-HDVD-IPSTR-CB using the default IP address 169.254.1.1 on its first startup. When connection succeeds, VidCasterIP downloads configuration information from DT-HDVD-IPSTR-CB such as logo icon, group information (includes group name and group sequence), and device information (includes device name, groups and device sequence in a group).

Introduction to the VidCasterIP Main Screen



When VidCasterIP is connected to a DT-HDVD-IPSTR-CB, the main screen above is displayed. For more information, see the table below.

| No. | GUI Element | Description |
|-----|---|--|
| 1 | Logo icon | indicate the image of this app name VidCasterIP , which is uploaded to DT-HDVD-IPSTR-CB configuration web from your local computer and then is downloaded from DT-HDVD-IPSTR-CB to VidCasterIP. |
| 2 | Connected or Disconnected | Indicates the connection status between the DT-HDVD-IPSTR and the VidCasterIP software. |
| 3 | System configuration button | used to configure the system settings. |
| 4 | Slider | go to previous or next screen. |
| 5 | To all screen | dragging and dropping a source from the source list over this button means the switching of this source to the screens in all groups, including single screens and video walls. |
| 6 | Display On and Off | Display On: turn on the displays in all groups. Display Off: put these displays to standby state. |

VidCasterIP V2.5.12 on Windows

Installing VidCasterIP

You can get VidCasterIP from Data-Tronix and install it according to the following system requirements.

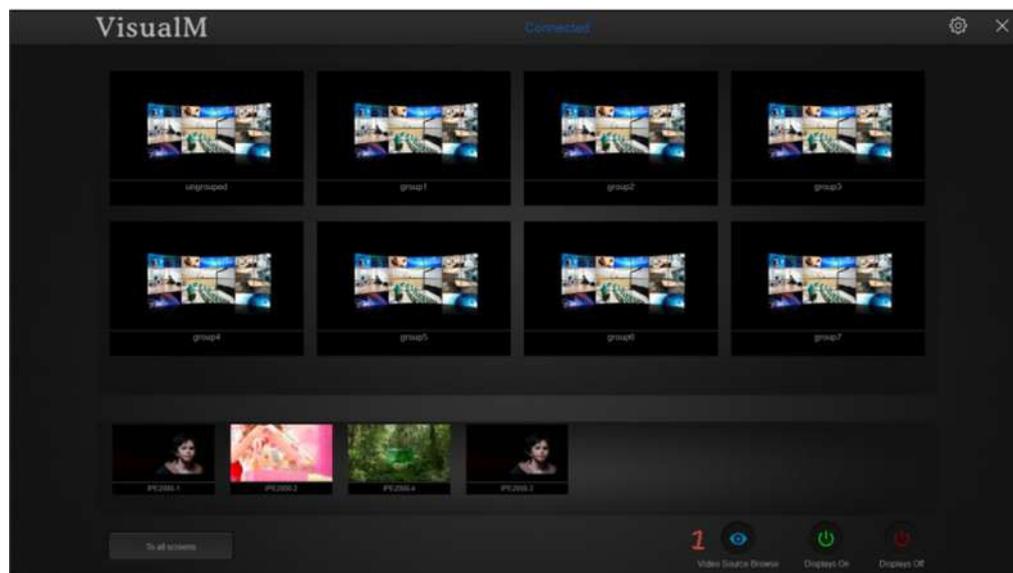
| Items | Specifications |
|-------------------|----------------------------|
| Operating System | Windows 7 only |
| Screen Resolution | 1920 x 1080 pixels only |
| Screen Type | Touch screen (recommended) |

Operating VidCasterIP

Its operating principle, layouts and operation methods are similar to that of VidCasterIP on iPad except for the **Video Source Browser** function below. For more information, see "VidCasterIP on iPad".

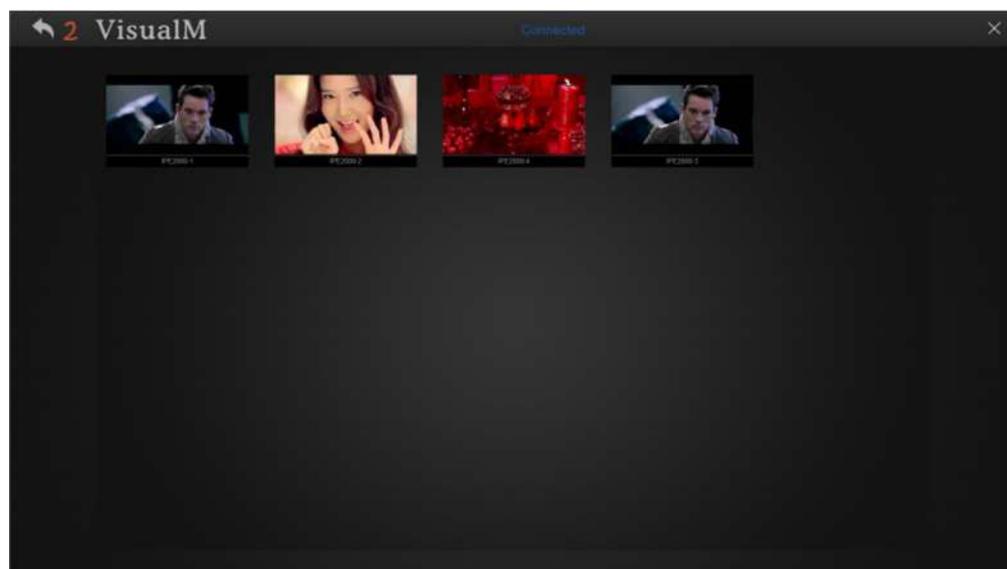
Introduction to Video Source Browser Function

When VidCasterIP is connected to DT-HDVD-IPSTR-CB, the main screen below is displayed. For more information, see below.



Interface elements are instructed as follows.

- a) **Video Source Browser button**: used to display all TX in full screen.



The figure above shows 4 TX. If TX's amount is more than 16, they will appear on multiple screens and then you can use sliders on left and right of the screen to view them.

- b) **Back button**: go back to the main screen.

Factors affecting VidCasterIP

- a) iPad device type and its iOS version
- b) Wi-Fi frequency band (2.4GHz and 5GHz) and Wi-Fi onsite coverage
- c) Function for calculating the quantities of all TX/RX units and proposal wireless router or AP.

$B_{plan} = 1.3 \cdot i \cdot (6 + VW) \cdot 0.5$ **Planned bandwidth**

$B_{ap} = \text{Wifi bandwidth} / 3$ (Unit: M) **Actual project bandwidth**

Project proposal should be $B_{plan} < B_{ap}$.

Parameters:

- Constant 1.3: 1.3 is the network packages consumption coefficient.
- Variable i: the series of the iPad which is on the same network of the IPcontroller (DT-HDVD-IPSTR-CB) and operates the system.
- Constant 6: this number is the max number of Transmitters which appear on the VidCasterIP software TX task bar
- Constant 0.5: this number is the TX preview stream bandwidth to the VidCasterIP software.
- Variable Wifi bandwidth/3: this digit is the proposed wireless router or AP's rated bandwidth.
- Unit M: the network transfer unit.