Video Inputs/Outputs/Reference

Note: If you purchased the 16 input variant of Carbonite (116 or 216), only the first 16 Input BNCs on the back of the frame can be used.

Note: Only one of Analog Input 1, HDMI 1, and SDI Input BNC 6 can be used at the same time. The same applies to Input BNCs 12, 18, and 24.

Note: MultiViewers can be assigned to any assignable output, or to PV.

Specifications

HDMI Input Formats

- 800x600 (4:3)
- 1024x768 (4:3)
- 1280x1024 (5:4)
- 1920x1080 (16:9)
- 1920x1200 (16:9)

SDI Input Formats

- 576i 50Hz
- 576p 50Hz
- 720i 50Hz
- 720p 50Hz
- 1080i 59.94Hz
- 1080p 50Hz
- 1080p(50,60Hz)
- 1080p 50Hz Level A
- 1080p 59.94Hz Level A

Default Values

- Frame IP (LAN1) 128.128.0.123
- Frame IP (LAN2) 0.0.0.0
- FTP User name user
- FTP Password password

Panel Power Consumption

Carbonite 10 24W 20A 12V
Carbonite 2M 60W 4.2A 12V

Weights

Carbonite 10 62.6 (3.64kg)
Carbonite 1A 13.8 (5.94kg)
Carbonite 1M 15.6 (6.98kg)
Carbonite 2 20.8 (9.14kg)
Carbonite 2M 240 (10.86kg)
Carbonite 2X 260 (11.86kg)
Carbonite 3X 290 (13.25kg)
Carbonite 3 370 (16.8kg)
Carbonite 4X 410 (18.6kg)
Carbonite 5 48 (2.12kg)
Carbonite 6 65 (2.95kg)
Carbonite 5X 560 (25.5kg)
Carbonite 3X 840 (37.6A)

Video Input Specifications

- HDMI
- SDI
- Component (SD)
- Composite (SD)
- YPbPr (SD)

Video Output Specifications

- HDMI
- SDI
- Component (SD)
- Composite (SD)
- YPbPr (SD)

Power Switch, USB Port, and Diagnostics

Power Switch, USB Port, and Diagnostics

Frame Ports and Pinouts

Tally (female D837)

- Common 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
- Tally 17
- Tally 18
- Tally 19
- Tally 20
- Tally 21
- Tally 22
- Tally 23
- Tally 24
- Tally 25
- Tally 26
- Tally 27
- Tally 28
- Tally 29
- Tally 30
- Tally 31
- Tally 32
- Tally 33
- Tally 34
- Tally 35
- Tally 36

Video Input Specifications

- Component (HD)
- YPbPr (HD)
- SDI
- Composite (HD)

Switcher Specifications

- SDI Input Formats
- HDMI Input Formats
- Input Voltages
- Signal Level
- Rise and Fall Time
- Return Loss
- Overshoot
- DC Offset

Note: The tally pin must be connected to the proper common to complete the circuit. For example, tally 6 on pin 7 must be connected to the common on pin 31.
Frame Installation and Cabling

**Power and Control Cabling**

- Connect video input sources as needed.
- Important: Cable must be CAT5e, or higher, Shielded Twisted Pair to a maximum of 200m.

**Important**: It is recommended that you always connect the AC Power Adapter to the Control Panel before connecting to Mains Power.

**Powering On Switcher**

- Note: The Carbonite 10 control panel has a power switch that must be used to power on the control panel. All other Carbonite control panels power on when plugged in.

**Frame Door Opening**

- Frame Dust Filter

**Frame Dust Filter**

- Remove frame door before cleaning the dust filter.

**Note**: The Dust Filter located inside the frame door should be kept clean and free of dust buildup to ensure proper cooling of the frame. Always ensure that the Dust Filter is covering all the holes in the door.

**Important Safety Instructions** in your Setup manual.

**Caution**: Before you set up and operate your switcher, see the "Important Safety Instructions" in your Setup manual.

**Frame Installation and Cabling**

**Power and Control Cabling**

1. Mount Rack Arm
2. Rack Mounting
3. Rail Guide
4. Threaded Rubber Bumpers

**Important**: Cable must be CAT5e, or higher, Shielded Twisted Pair to a maximum of 200m.

**Note**: It is recommended that you always connect the AC Power Adapter to the Control Panel before connecting to Mains Power.

**Powering On Switcher**

- Note: The Carbonite 10 control panel has a power switch that must be used to power on the control panel. All other Carbonite control panels power on when plugged in.

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