



DUET

Active-to-Passive Stereo Converter for BARCOREALITY SIM 6

Barco's DUET transforms a single active stereo signal into separate left and right channels. This enables easy combination of active and passive stereo in one system, and forms a convenient way to transfer legacy applications to passive. The fully transparent operation with autodetection of the signal format and the high bandwidth combine to make DUET a true Plug-and-Play interface.

High Bandwidth Active-to-Passive Stereo Conversion

- Supports active stereo signals, with RGB bandwidth up to 200 MHz
- No digital artefacts due to the active to passive stereo conversion
- Compatible with all common stereo synchronisation signals
- Connects to standard common stereo sync interfaces with Mini-DIN p3m, Mini-DIN p7m, DB9 (male and female) and BNC connectors

Plug and Play Interface

Automatic detection and selection of:

- Left/right signal
- Resolution and refresh rate for display
- Sync polarity, composite sync, sync on green, or separate sync
- Most common stereo syncs

Features and Specifications

Video Inputs

- RGB: 0.4 – 2 Vpp @ 75Ω and gain = 1
- Composite or separate sync: TTL level (buffered loop-through) @ 20 kΩ load or analog (direct loopthrough) 0.3 to 5 Vpp
- The D9 female connector provides the ID-bits for the recognition of the graphical mode.
(When no monitor is connected, the mode can be set through ID bits on the interface)
- Automatic 75Ω termination

Input Resolutions

- XGA 60-120 Hz
- SXGA:
60-120 Hz (reduced blanking)
60-108 Hz (standard blanking)

Stereo Inputs

- Stereo signal between -12 /+12 V
- Supported connectors are:
MiniDIN p3m, MiniDIN p7m, DB9 (male and female), BNC (other connectors available on request)

Video Outputs

- RGB Analog 0.4 – 2.5 Vpp @ 75Ω and gain = 1
- Output sync selection between composite or separate sync
- HD15 loop through feature

Bandwidth

Typical 200 MHz @ 0.7 Vpp in / 0.7 Vpp out [-3dB]

Compatibilities

- The DUET works only with projectors featuring "Active Stereo Compatibility", such as: BARCOREALITY SIM 6, BARCOREALITY SIM 6 HB, BARCOREALITY SIM 6 LL, BARCOREALITY SIM 6 HB MLA, BARCOREALITY SIM 6 Ultra, WARP 6™
- The Duet is compatible with most switching devices and 3D graphics cards.
For an up-to-date list of incompatible devices please check your local Barco office.

AC Power

Built-in power supply for operation on 240 – 100 VAC.

Power Consumption

20 Watts

Safety Regulations

The BARCO DUET complies with UL 1950 and EN60950

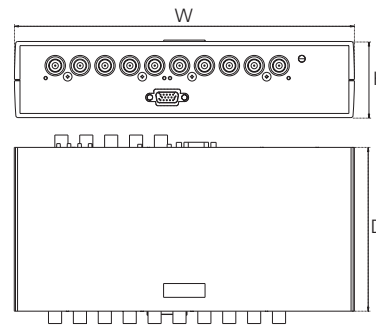
Electromagnetic Interference

The DUET complies with FCC part 15 Class A

Rack Mountable

Mounting holes on the cabinet facilitate wall or rack mounting of the interface.

Weight	Lbs.	Kg
Shipping	5,8	2,634
Duet	1,9	0,842
Cables	1,6	0,719



Dimensions	Inch	mm
Width	9.69	246
Depth	4.69	119
Height	2.24	57

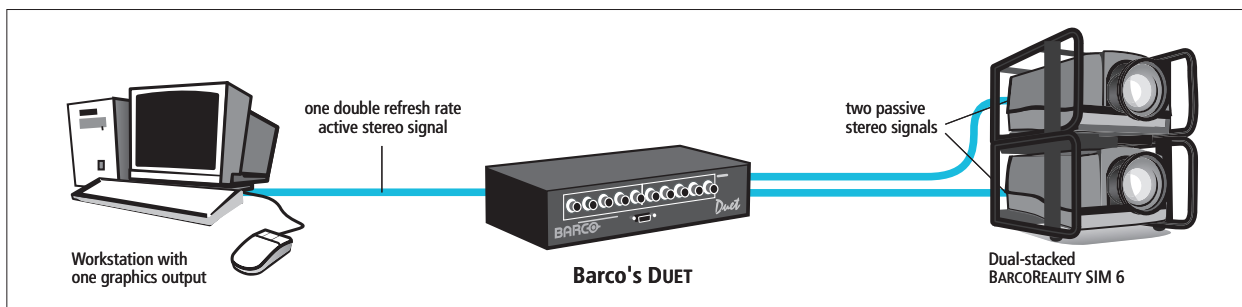
Shipping Dimensions	ft.	m
Width	15.95	405
Depth	10.83	275
Height	8.27	210

Included Cables and Connectors

	ft.	m
Power Cord 240V	8.2	2.5
Power Cord 120V	8.2	2.5
MiniDIN (P3m) – MiniDIN (P3m)	5.9	1.80
MiniDIN (P3m) – BNC	6.6	2.00
DB9 – BNC	0.4	0.13
MiniDIN (P3m) – MiniDIN (P7m)	5.7	1.75
BNC–BNC connector	-	-
DB9 gender changer	-	-

Ordering Info

BARCO DUET R9898140



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BARCO



BARCO Projection Systems is an ISO 9001 registered company.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.