

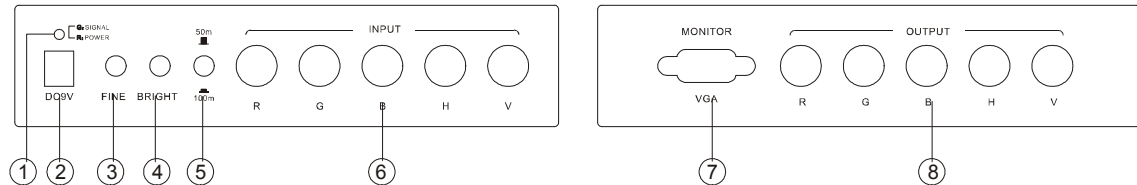
VGA/RGB 185 II line driver

1 Function Introduction

VGA/RGB185 has two modes offering user free choices. They support long distance inputting mode of RGB. It can not only efficiently refrain from damaging the computer pictures and signals, but also avoid the external interference during the transfer procedures. The long line driving function guarantees no double images and no damages to signals. It ensures that the transmission distance of signals up to 150 meters.

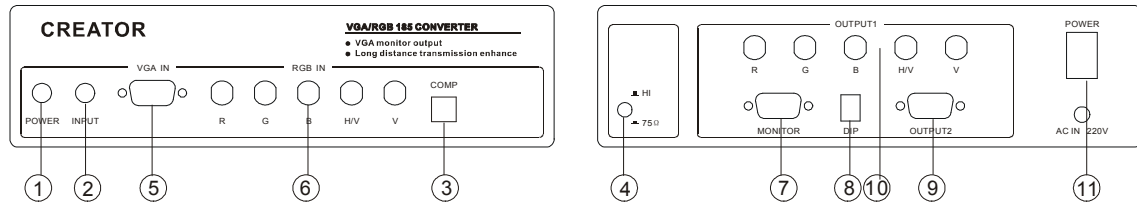
2 Front panel operation instruction

Mode I



- ① Indicator——red is power indicator, green is input signal indicator.
- ② DC9V——power supply,DC9V
- ③ FINE——adjust the definition of output image
- ④ BRIGHT——adjust the brightness of output image
- ⑤ Long line driving distance setting——up:0—50m,down:50—100m
- ⑥ RGB signal input
- ⑦ MONITOR——monitor the statuses
- ⑧ OUTPUT——RGB signal output

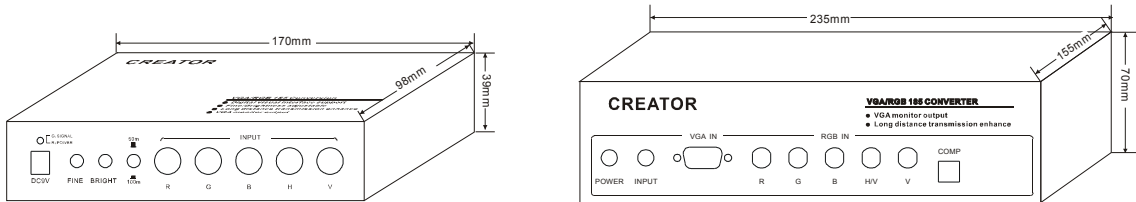
Mode II



- ① POWER——power indicator
- ② INPUT——signal input indicator, it will light on when input signal
- ③ COMP——Long line distance setting. Please see the following table of setting distance on five pins cable
- ④ RGB input impedance setting——down:75Ω,up: high impedance (HI)
- ⑤ VGA IN——VGA signal input
- ⑥ RGB IN——RGB signal input
- ⑦ MONITOR——monitor the status
- ⑧ DIP——composite synchronization control
- ⑨ OUTPUT2——VGA signal input
- ⑩ OUTPUT1——RGB signal input
- ⑪ POWER——power supply, AC 220V/50Hz

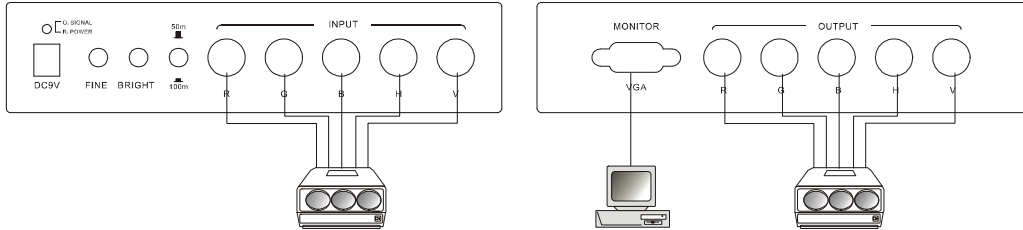
Cable length(M)	10	20	30	40	50	60/70	80/90	100/110	120/130	140/150
On-off	0	1	2	3	4	5	6	7	8	9

3 Dimension diagram

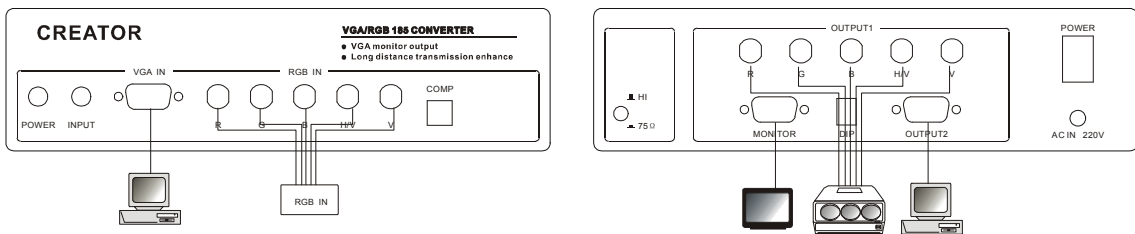


4 Connection diagram

Mode I



Mode II



5 Technical parameter

Mode	Mode I	Mode II
Input port	RGBHV (5BNC)	RGBHV (5BNC) VGA (15HDF)
Output port	OUTPUT (5BNC)	OUTPUT1 RGB (5BNC) OUTPUT2 VGA (15HDF)
Monitor port	VGA (15HDF)	VGA
RGB channel	Input impedance;75Ω output impedance;75Ω	Input impedance ;75Ωor high impedance output impedance ;75Ω bandwidth;300MHz (−3dB)
Synchronization channel	Input impedance ;510Ω Input electricity level ;1−5V p-p output impedance ;33Ω output electricity level;TTL	Input impedance ;75Ωor1kΩ (setting by jump) Input electricity level ;1−5V p-p output impedance ;75Ω output electricity level ;TTL composite Synchronization;cathode green Synchronization;cathode 0.3V
power	DC 9V	220V/50Hz
figuration	170 (L)×98 (W)×39(H) (mm)	235 (L)×155 (W)×70(H) (mm)
Color	gray	gray