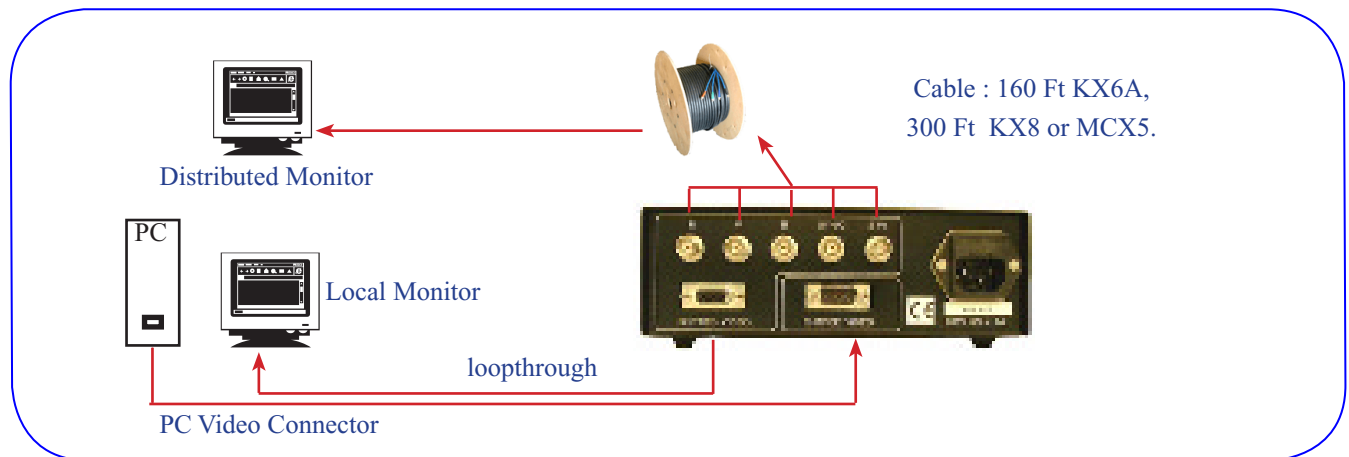


## CENTRAL UNIT VIDEO SPLITTER

HIGH RESOLUTION AMPLIFIERS UNIVERSAL INTERFACE  
FOR LONG DISTANCE APPLICATIONS

MCV-B is a box allowing **computer and video signals** to be adapted to different monitors, projectors and other video display requirements (**RGB** or **RGB/S**). The device can handle any kind of input formats up to **(1900 X 1200)**. This durable metal box can drive, up to 100 m (300 Feet)

either high resolution signals from any WORKSTATION, PC, graphic boards. This distance can be prolonged up to 300 meters (1000Ft) thanks to another metal enclosure box at the input (Ref : DER/C).



*\*This solution also exists in cards (format PCI) to integrate in CPU. Ref: MCV-PCI*

### ACQUISITION FUNCTION

Input Sync. recognition, and video standard recognition.  
Accept all kind of resolution up to 1900x1200, (300 MHz RGB Video bandwidth).

### MIXING FUNCTION

**Compatible with** any workstations (VGA, SVGA, XGA, SXGA, UXGA) and other high resolution analog video signals, MCV-B/5 accepts **R,G,B, H, V** signals to reconstitute as **R,G,B/S** (composite Sync.) and/or **R,Gsy, B** (SOG: Sync. on Green). The synchro mode changes the output Sync. type and level to be compatible with a specific display or **RGB** video requirements. **RGsB** & **RGB/S** (composite Sync.). The **RGB/S** output is very usefull and adaptable to **many cable lengths** (10 up to 100 meters) allows you to have the best picture possible dedicated to your application.

### SPLITTER FUNCTION

The interface is a splitter with one **RGB/HV** channel and one loopthrough for local monitoring :

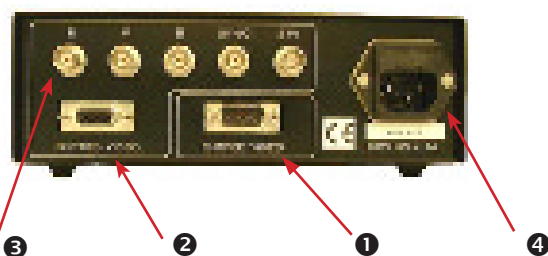
- 1 Standard channel (on 15 pin HD F connector)
- 1 Channel with cable corrector (up to 100m)- on 3 or 5 BNC connectors

Added to CLD-105 corrector, the distance can reach 600 meters or 300 meters with DER/C-105 corrector.

### APPLICATIONS

Process Control (diffusion of synoptic), Decision-Making Aid (Center of Command, PC Monitoring, Watchtowers), CAD, Conference Room, Room for Real Time Test, Interactive Training Systems, Simulation...

**VIDEO REMOTE**



- Black box with white serigraphy :**
- ❶ Video input
  - ❷ Video output for direct local monitoring
  - ❸ Video output for the distributed monitor
  - ❹ Main supply : 230V 50Hz.

*Exist in PC card*  
 → BUS ISA version : ref. MCV- PC  
 → BUS PCI version : ref MCV-PCi

Compatible with : WORKSTATIONS, PC, MAC<sup>®</sup> & broadcast RGB/S video

**VIDEO CONNECTION :**

- Input : Sub'D 15 pin HD male connector (Male/Female cable Sub'D 1m80 including)
- Distributed Output : Output on 3, 4, 5 BNC connectors
- Local Output : Sub'D 15 pin female connector (HD15 Male /Female cable)

⇒ **INPUT SIGNAL :**

- VIDEO :  
Nominal 0,7 V or 1V p/p 75 Ohms  
Maximum 1.5V p/p 75 Ohms
- SYNCHRO : TTL 75 Ohms

⇐ **OUTPUT SIGNAL :**

- LOCAL VIDEO ❷ : Gain :  $1 \pm 0,5 / 75 \text{ Ohm}$
- DISTRIBUTED VIDEO ❸ : Channel with adjustable cable corrector and equalizing according to the remoted distance.
- SYNCHRO : TTL level 75 Ohms  
Positive (standard)

**SIZES & WEIGHT :**

- Width : 7,3 mm
  - Height : 2,7 mm
  - Depth : 5,5 mm
- Product weight : 3,3 Lbs

**INTERNAL POWER SUPPLY :**

- 230 Volts 50/60 Hz  
European Plug (CEE 22)
- 115 Volts 60Hz (in option)

**CONDITION OF USE :**

- Storage temperature : - 20° to + 85°C.
- Operating temperature : 0° to + 55°C.
- Humidity : maximum 90% HR non condensing.

**OPTIONAL ACCESSORIES :**

- 19" Rack mounted in 2 U space  
with optional rack shelf, AD2u/PP