

Colorado Video

"Unique Video Instrumentation"

video enlarger 425CS & 425C

general description

The Model 425 series Electronic Video Enlarger can enlarge, up to ten times, a selected portion of a color video picture to fill the entire display for closer examination. The Video Enlarger can operate on a live picture or one frozen in its display memory.

Zoom ratio is controlled in 64 steps from 1:1 to 10:1 by means of a knob. Any portion of the input video picture may be selected for enlargement using four pushbutton position controls that move the selected region up, down, left, or right.

The freeze function can be invoked by means of a front panel switch or a contact closure at the unit's external freeze input. A bypass switch allows viewing of the full input picture without disturbing zoom and freeze settings.

An additional switch provides filtering of motion artifacts, caused by the interlaced nature of NTSC video. This is useful when features in the picture can not be held motionless long enough for the unit to freeze an image.

features

All Models

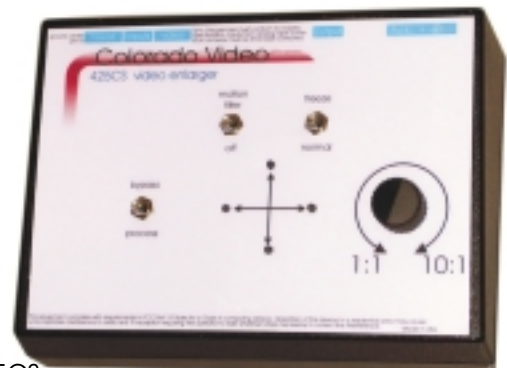
- Enlarges a Selected Region from 1:1 to 10:1
- Freezes a Picture for Extended Examination
- External Freeze Input for Automated Systems
- Bypass Function Allows Input to be Viewed Without Disturbing Zoom or Freeze Settings
- Filters NTSC Motion Artifacts

Model 425C

- Aluminum Case, Optionally Rack-Mountable
- 100 to 240 VAC Power Input

Model 425CS

- ABS Desktop Style Case
- 5 Volt DC Adapter Included



Model 425CS

specifications

Model	425CS	425C
Function:	Enlarge Selected Portion of Picture	Enlarge Selected Portion of Picture
Power Connector:	2.5mm Coaxial Power Jack	IEC 3-pin grounded AC
Size:	6.9"W x 4.9"D x 2.4"H sloping to 1.4"H	8"W x 8"D x 1.75"H
Mounting:	Free standing desktop	Free standing, (Rack Mount Optional)
Power:	5VDC (AC Adapter Included)	100-240 VAC, (Power Cord Included)
Chassis:	Black ABS Plastic	Painted Aluminum
Video Input/Output:	1Vp-p, composite, RS-170, NTSC	1Vp-p, composite, RS-170, NTSC
Resolution:	720H x 480V	720H x 480V
Controls:	Process/Bypass (switch) Zoom Level (knob) Zoom Position (4 pushbuttons) Freeze/Normal (switch) Motion Artifact Filter: On/Off (switch)	Process/Bypass (switch) Zoom Level (knob) Zoom Position (4 pushbuttons) Freeze/Normal (switch) Motion Artifact Filter: On/Off (switch)
I/O Connectors	BNC	BNC

Notes

Sync Frequencies must meet industry specifications.

Signals from analog video tape recorders or line-lock cameras must be time base corrected to ensure proper operation of these units.



Model 425C with optional Rack Mount

Subject to change without notice. 8/14/06