

Electronic Video Mirror 420 & 422 Series

The Electronic Video Mirrors and Scan Reversers can electronically reverse (left to right), flip (top to bottom), or rotate by 180°, the video image from an NTSC or PAL color video source. Video image mirroring, reversing, or rotation is accomplished in real-time.

By mirroring or flipping a video image, these models can correct for mirroring optics, ceiling mounted cameras or monitors, or simulate rear view mirrors.

Several input and output combinations are available including:

- Composite NTSC/PAL Input and Composite NTSC/PAL Output
- S-Video NTSC/PAL Input and S-Video NTSC/PAL Output
- Composite NTSC/PAL Input and PC VGA Output
- PC VGA Input and PC VGA Output

Composite and S-Video units are autosensing for NTSC or PAL Video Signals. Conversion from Composite NTSC/PAL to VGA 640x480p is possible with models carrying the "NVCN" prefix.

Video inputs to these units from analog tape must be time base corrected.

Applications

Video Rearview Mirror Systems, Ceiling Mounted Cameras

A camera and monitor system installed in a large vehicle can provide an otherwise unavailable view of what's behind. However, the monitor will show a picture reversed from what people are used to seeing in a rearview mirror. The Model 420 series reverse left and right to provide drivers with the intuitive presentation normally provided by an optical mirror.

Reverse Images during Medical Endoscopic Surgery

Many specialized lens systems in Endoscopes used during Endoscopic Surgery, present a less than optimally oriented picture. Surgeons can benefit by using a Video Image Mirror or Video Scan Reverser. A doctor or surgeon has the choice of unmodified, mirrored, flipped, or rotated views from the video system.

Video Inspection Systems

Many specialized video inspection systems provide a picture reversed from what is desired. A Video Image Mirror or Video Scan Reverser can provide an unmodified, mirrored, flipped, or rotated view as desired from the video system.

Reversing Mirroring Optics - Reflector Telescopes & Magnifying Systems

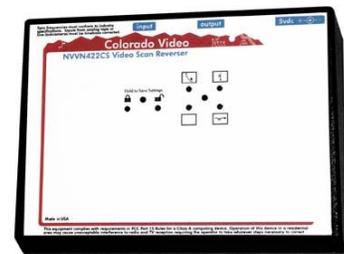
Many reflector telescope systems and magnifying lens systems provide a picture inverted or reversed from what is desired. A Video Image Mirror or Video Scan Reverser can provide an unmodified, mirrored, flipped, or rotated view as desired from the mirrored optics video system.

Reversing Image of 35mm Adapter Lens for Movie & Film Cameras & Projectors

Some 35mm adapter lens systems allowing a 35mm camera lens to be put on a motion picture movie camera, film camera or projector, provide a picture inverted or reversed from what is desired. A Video Image Mirror or Video Scan Reverser can provide an unmodified, mirrored, flipped, or rotated view as desired from the motion picture video system.



NVVN 420CS



NVVN 422CS

Specifications

Model:	420CS: Electronic Video Mirror	
Fuction:	Swaps Left & Right	
Available I/O Combinations:	NVVN420CS: Composite Video In / Composite Video Out NSSN420CS: S-Video In / S-Video Out NVCN420CS: Composite Video In / VGA PC Video Out NCCN420CS: VGA PC Video In / VGA PC Video Out	
Size:	6.9"W x 4.9"L x 2.4"H sloping to 1.4"H	
Mounting:	Free standing desktop	
Power Connector:	5.5 x 2.5 mm coaxial power jack, center-pin positive	
Power Input:	5 VDC (120 VAC Adaptor included where appropriate)	
Chassis:	Black ABS	
Video Input/Output:	Composite: NTSC or PAL, 1Vp-p, 75Ω BNC S-Video: NTSC or PAL, 1Vp-p, 75Ω 4-pin Mini-DIN VGA PC: 640 x 480, DE-15 Female	
Controls:	Mode: Locked/Setup Mode: Normal/Mirror	
Indicators:	Locked Mode	Setup Mode
	Normal Mode	Mirror Mode
Model:	420C: Electronic Video Mirror	
Fuction:	Swaps Left & Right	
Available I/O Combinations:	NVVN420C: Composite Video In / Composite Video Out NSSN420C: S-Video In / S-Video Out NVCN420C: Composite Video In / VGA PC Video Out NCCN420C: VGA PC Video In / VGA PC Video Out	
Size:	8"W x 11"L x 1.67"H	
Mounting:	Free standing, rack mount optional	
Power Connector:	IEC	
Power Input:	100 to 240 VAC	
Chassis:	Painted Aluminum	
Controls:	Power (switch with indicator): On/Off Mode: Locked/Unlocked (Setup) Mode: Normal/Mirror/Flip/Rotate 180°	
Indicators:	Power (in power switch)	Locked Mode
	Unlocked Mode	Normal Mode
	Mirror Mode	
Model:	422CS: Electronic Video Mirror & Video Scan Reverser	
Fuction:	Swaps Left & Right, Top & Bottom, or Both (180° Rotation)	
Available I/O Combinations:	NVVN422CS: Composite Video In / Composite Video Out NSSN422CS: S-Video In / S-Video Out NVCN422CS: Composite Video In / VGA PC Video Out NCCN422CS: VGA PC Video In / VGA PC Video Out	
Size:	6.9"W x 4.9"L x 2.4"H sloping to 1.4"H	
Mounting:	Free standing desktop	
Power Connector:	5.5 x 2.5 mm coaxial power jack, center-pin positive	
Power Input:	5 VDC (120 VAC Adaptor included where appropriate)	
Chassis:	Black ABS	
Video Input/Output:	Composite: NTSC or PAL, 1Vp-p, 75Ω BNC S-Video: NTSC or PAL, 1Vp-p, 75Ω 4-pin Mini-DIN VGA PC: 640 x 480, DE-15 Female	
Controls:	Mode: Locked/Unlocked (Setup) Mode: Normal/Mirror/Flip/Rotate 180°	
Indicators:	Locked Mode	Unlocked Mode
	Normal Mode	Mirror Mode
	Flip Mode	Rotate 180° Mode

Specifications (cont.)

Model:	422C: Electronic Video Mirror & Video Scan Reverser	
Fuction:	Swaps Left & Right, Top & Bottom, or Both (180° Rotation)	
Avilable I/O Combinations:	NVVN422C: Composite Video In / Composite Video Out NSSN422C: S-Video In / S-Video Out NVCN422C: Composite Video In / VGA PC Video Out NCCN422C: VGA PC Video In / VGA PC Video Out	
Size:	8"W x 11"L x 1.67"H	
Mounting:	Free standing, rack mount optional	
Power Connector:	IEC	
Power Input:	100 to 240 VAC	
Chassis:	Painted Aluminum	
Controls:	Power (switch with indicator): On/Off Mode: Locked/Unlocked (Setup) Mode: Normal/Mirror/Flip/Rotate 180°	
Indicators:	Power (in power switch)	Locked Mode
	Unlocked Mode	Normal Mode
	Mirror Mode	Flip Mode
	Rotate 180° Mode	