

TwinVision® Chromatic “Smart Series” Electronic Destination Sign Systems

In 2008, TwinVision na, Inc. introduced yet another technological breakthrough: a **multi-color, single lens, solid-state, all-LED, Chromatic “Smart Series”** product.

Two updated products are now available in the TwinVision® Chromatic Smart Series – the TwinVision® Chroma I and TwinVision® Chroma IV. These products offer customers greater color flexibility and message display options. Featuring a more advanced processing system, which has been integrated with our industry proven all-LED electronic destination sign systems, we believe that this product will become the new standard for the North American market. It utilizes state-of-the-art processors to monitor system health and solid-state LED devices to provide an extremely bright message with wide-angle visibility both day and night. Since there are no moving parts in this product, maintenance costs and system diagnostic times are significantly reduced.

Features

- Advanced processing capacity to operate and monitor system health of the EDSS
- Centralized data panel for monitoring EDSS health
- Full TwinVision® ELYSÉ® compatibility with Windows® 2000 or Windows® XP
- Color-coded, vibrant yellow, point-to-point bus harnesses for quick identification
- Industry-standard keypad Operating Console Unit with USB port for high speed route data uploading
- Easy integration with on-board IT systems
- Open architecture for J1708, J1939, and RS232 (farebox option) compatibility
- High intensity “Single Lens” RGB light-emitting diodes
- Minimum operating life of 100,000 hours
- LEDs have automatic brightness adjustment
- Full readability for a total of 130 degrees
- 12 or 24 VDC operation
- ADA-compliant fonts and graphics
- Display case inhibits entry of dirt, dust, water, and other contaminants during normal operation
- Access panels and display boards mounted for easy maintenance/replacement
- Programmable to display independent messages
- Emergency messages activated by a push button or toggle switch

Benefits

- Ability to monitor health of entire electronic sign system
- Increased reliability due to a solid-state design
- Reduced operating and maintenance costs
- Flexibility in configurations and sizes
- Easy operation of signs and software
- Improved upload time of route data



These products offer customers greater color flexibility and message display options.



Vehicle Health Monitoring Panel

TwinVision® Chromatic Smart Series Sign System



Specifications

Display and Case Dimensions in Inches (H x W x D)

FRONT SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® Chroma I	16 rows x 156 columns	7.9 x 66.2	11.4 x 69.3 x 3.05
TwinVision® Chroma IV	16 rows x 112 columns	7.9 x 67.5	12.2 x 69.7 x 3.6
TwinVision® Chroma IV	16 rows x 112 columns (smaller pitch)	6.0 x 45.9	9.3 x 49.9 x 2.25
SIDE SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® Chroma II	9 rows x 48 columns	4.1 x 28.5	6.9 x 30.7 x 2.5
TwinVision® Chroma III	9 rows x 72 columns	4.1 x 43.0	6.9 x 44.9 x 2.5
REAR SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® Chroma	9 rows x 24 columns	4.1 x 14.2	11.5 x 23.6 x 3.9
DASH/BLOCK NUMBER SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® Chroma I-Dash	9 rows x 24 columns	4.1 x 14.2	6.9 x 16.5 x 2.5

Designed For:

- Transit buses
- Light rail vehicles
- Trains/subway cars
- People movers
- Monorails
- Airport vehicles
- Tour buses

TwinVision na, Inc.®

4018 Patriot Drive, One Park Center, Suite 100 • Durham, NC 27703 | P.O. Box 14068 • Research Triangle Park, NC 27709-4068
Phone: (919) 361-2155 • Fax: (919) 361-9635

TwinVision® All-LED “Smart Series” Electronic Destination Sign Systems

In 2008, TwinVision na, Inc. continues its pioneering legacy with the introduction of its **TwinVision® All-LED “Smart Series”** product.

Featuring a more advanced processing system, which has been integrated with our industry proven all-LED electronic destination sign systems, we believe that this product will become the new standard for the North American market. It utilizes state-of-the-art processors to monitor system health and solid-state LED devices to provide an extremely bright message with wide-angle visibility both day and night. Since there are no moving parts in this product, maintenance costs and system diagnostic times are significantly reduced.

Features

- Advanced processing capacity to operate and monitor system health of EDSS
- Centralized data panel for monitoring EDSS health
- Full TwinVision® ELYSÉ® programming compatibility with Windows® 2000 or Windows® XP
- Color-coded, vibrant yellow, point-to-point bus harnesses for quick identification
- Industry-standard keypad Operating Console Unit with USB port for high-speed route data uploading
- Open architecture for J1708, J1939 and RS232 (farebox option) compatibility
- Easy integration with on-board IT systems
- High intensity light emitting-diodes
- Minimum operating life of 100,000 hours
- LEDs have automatic brightness adjustment
- Full readability for a total of 130 degrees
- 12 or 24 VDC operation
- ADA-compliant fonts and graphics
- Display case inhibits entry of dirt, dust, water, and other contaminants during normal operation
- Improved access panels and display boards for easy maintenance/replacement
- Programmable to display independent messages
- Emergency messages activated by a push button or toggle switch
- Display messages readable from as far away as 350 feet

Benefits

- Ability to monitor health of entire electronic sign system
- Increased reliability due to a solid-state design
- Reduced operating and maintenance costs
- Flexibility in configurations and sizes
- Easy operation of signs and software
- Improved upload time of route data



TwinVision® All-LED products provide an extremely bright message with wide-angle visibility both day and night.



Vehicle Health Monitoring Panel

TwinVision® All-LED Smart Series Sign System



Specifications

Display and Case Dimensions in Inches (H x W x D)

FRONT SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® All-LED	24 rows x 200 columns	9.25 x 63.75	12.0 x 65.0 x 2.25
TwinVision® All-LED	16 rows x 160 columns	7.9 x 62.75	11.5 x 65.0 x 2.5
TwinVision® All-LED	16 rows x 160 columns (smaller pitch)	6.1 x 47.0	8.9 x 49.9 x 2.75
TwinVision® All-LED	16 rows x 140 columns	7.9 x 54.9	11.5 x 58.2 x 2.75
SIDE SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® All-LED	14 rows x 108 columns	4.25 x 42.25	6.9 x 44.9 x 2.5
TwinVision® All-LED	14 rows x 72 columns	4.25 x 28.0	6.9 x 30.75 x 2.5
TwinVision® All-LED	8 rows x 96 columns	2.5 x 37.4	6.9 x 39.0 x 2.45
ROUTE SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® All-LED	16 columns x 48 columns	6.1 x 17.0	10.3 x 19.4 x 2.9
REAR SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® All-LED	16 rows x 48 columns (external)	6.1 x 17.0	11.5 x 23.6 x 3.9
DASH/BLOCK NUMBER SIGN	VIEWING AREA	DISPLAY HEIGHT AND WIDTH	HEIGHT/WIDTH/DEPTH
TwinVision® All-LED	14 rows x 36 columns	4.25 x 14.0	6.9 x 16.5 x 2.5

Designed For:

- Transit buses
- Light rail vehicles
- Trains/subway cars
- People movers
- Monorails
- Airport vehicles
- Tour buses

TwinVision na, Inc.®

4018 Patriot Drive, One Park Center, Suite 100 • Durham, NC 27703 | P.O. Box 14068 • Research Triangle Park, NC 27709-4068
Phone: (919) 361-2155 • Fax: (919) 361-9635