



TRANSITCAM®

Driver Displays



**Rugged.
Reliable.
Modular.**

Integrian develops and manufactures a wide variety of displays for use in public transit and rail systems. These solutions are available in both analog and digital configurations.

Integrian Driver displays are available in a number of screen sizes and input configurations, including touch-screen, push-button and trackball. Automatic backlight adjustment optimizes the display image in any ambient lighting condition.

Display Features

- Available in both analogue and digital versions
- Available from 6 to 15 inch TFT screens
- Optionally with industrial buttons or as touch screen
- Extended temperature ranges
- Manual image selection or automatic scrolling of images
- Display of Maintenance and diagnostics features (to authorised users only)
- Automatic backlight control and speed or input triggered blank screen control
- Easy to install and use



INTEGRIAN®

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Analog Display

Dimensions	
LCD screen	10" (25.4cm)
Front panel	13" (33cm) W x 9.8" (25cm) H
Feature Set	<ul style="list-style-type: none"> • Composite video input • CAN Bus RS-485 input • 6 function keys • Optional PA/PIDS microphone • Rugged enclosure/tough laminated screen • Automatic backlight for dark environments
Monitor Size	8.4", 10.4" and 12.1"
Video Inputs	Analog composite video and CAN for train-line operation.
Frame Rate	25fps PAL, 30fps NTSC
Resolution	10.4" - 800 X 600, 262,144 colors.
Luminance	400cd/m ²
Contrast Ratio	600:1
Viewing Angle	L – 70°; R – 70°; U – 45°; D – 55°
Interface	Pushbutton/menu operation. Supports: <ul style="list-style-type: none"> • Sequential scroll (configurable time) • Manual scroll • Automatic display of alarm camera during PEA event.
Backlight compensation	Automatic via front panel light sensor. Manual override via menu/buttons.
Auto-blanking	Able to auto-blank once vehicle reaches prescribed speed (via TCMS or digital input)
Inputs	2 isolated digital inputs (110V DC, 15mA)
Lens	3mm safety glass.
Case	IP52, IP65 optional.
MTBF	>50,000 hours for unit
Power supply	110V DC. 24V DC and 72V DC optional. Reverse polarity protection. Operation to .7Un, 1.25Un
Temperature	-15° C to +55° C. Unit enters thermal management between 0° C and 45° C.
Weight	<5Kg
Power	<30W
Materials	RoHS/WEEE Compliant
Dimensions	TBA

Digital Display

Dimensions	
LCD screen	10.4" (26.5cm)
Front panel	12.2" (31cm) W x 10" (25.4cm) H
Feature Set	<ul style="list-style-type: none"> • 5 function keys • Ethernet input • Backlight adjustment
Monitor Size	10.4" and 12.1"
Video Inputs	10/100Mb/s, auto-crossover
Frame Rate	Ability to display up to 6 cameras in matrix layout. CIF - 150fps, 6 cameras 2CIF - 75fps, 6 cameras 4CIF - 50fps, 6 cameras
Resolution	10.4" - 800 X 600; 262,144 colors.
Luminance	400cd/m ²
Luminance Uniformity	1.25 typ.
Contrast Ratio	600:1
Viewing Angle	L – 70°; R – 70°; U – 45°; D – 55°
Interface	Touch screen or pushbutton/menu operation. Supports: <ul style="list-style-type: none"> • Sequential scroll (configurable time) • Manual scroll • Automatic display of alarm camera during PEA event. • Program mode
Backlight	CCFL
Backlight compensation	Automatic via front panel light sensor. Manual override via menu/buttons.
Auto-blanking	Able to auto-blank once vehicle reaches prescribed speed (via TCMS or digital input)
On-screen logo	Rotating logo available to provide clear indication to driver that the images are live.
Streaming	RTP
Time sync	NTP and STP client for time sync.
Diagnostics	Rear power LED. Internal diagnostics and self-test menu accessible to maintenance staff.
Train Management System Interface	Ethernet or RS-485 for TMS interfaces. LON, CAN, IBIS, J1708 available as option.
Inputs	4 isolated digital inputs (110V DC, 15mA)
Lens	3mm safety glass.
Case	IP52
MTBF	>50,000 hours for unit
Power supply	110V DC. 24V DC and 72V DC optional. Reverse polarity protection. Operation to .7Un, 1.25Un
Temperature	-15° C to +55° C. Unit enters thermal management between 0° C and 45° C.
Weight	<5Kg
Power	<30W
Materials	RoHS/WEEE Compliant
Dimensions	TBA
Standards Compliance	EN-50155 and EN-50121-3 -2; RIA 12, 13, 18, and 20 for UK refurbishment market; BS-6853 Cat1b fire compliance; CE Other standards upon request

