John Deere Integrated Displays

Summary

John Deere Electronic Solutions reconfigurable displays offer a variety of resolutions and user control options to meet your specialized requirements. Our displays are designed to interface to the vehicle through industry standard communication protocols, including CAN. Contact us at *JohnDeere.com/ElectronicSolutions* to discuss different display options. The power is in YOUR hands.

Features

- Readable in sunlight
- Operates in extreme environments
- Touchscreen options
- Silicone rubber keypads
- Thin-film transistor technology for liquid crystal displays
- LED high-brightness backlighting

Operational	**DR8 Series**	**DR7 Series**	**DR5 Series**
System Voltage	12V/24V (9V-32VDC)	12V/24V (9V-32VDC)	12V/24V (9V-32VDC)
Machine Interface Connector	Molex MX150, 12-way	Delphi GT-150 15326856, 14-way	Delphi GT-150 15326856, 14-way
Communications and I/O			
Internal Speaker	Yes	—	—
Vehicle Communications	J1939 CAN FD 1 Port 100 Base-T1	J1939 CAN	J1939 CAN
Video Input	Digital video via Ethernet	NTSC Video Input (2)	NTSC Video Input (1)
Alarm	Alarm driver output	Alarm driver output	Alarm driver output
Wakeup	—	Wake output (1)	Wake output (1)
On-Board Features and User Interface			
User Interface	Touchscreen	6 buttons/touchscreen	6 buttons
Flash	8 GB/eMMC ≥5.0	128 MB maximum app code	128 MB maximum app code
Microprocessor (FGPA)	NXP i.MX6	32-bit softcore (MicroBlaze)	32-bit softcore (MicroBlaze)
Luminance	800 cd/m² LED backlight	700 cd/m² LED backlight	700 cd/m² LED backlight
RAM	256 MB/DDR3	256 MB/DDR II	256 MB/DDR II
Environmental			
Operating Temperature	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C
Storage Temperature	- 40°C to 85°C	- 40°C to 85°C	- 40°C to 85°C
Electrostatic Discharge	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air
EMC Immunity	500 k-400 MHz 200 mA BCI 400 MHz	100 V/m, 14 kHz to 1 Ghz	100 V/m, 14 kHz to 1 Ghz
EMC Emissions	ISO 14982	ISO 14982	ISO 14982
Sealing	IP65	IP65	IP65

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