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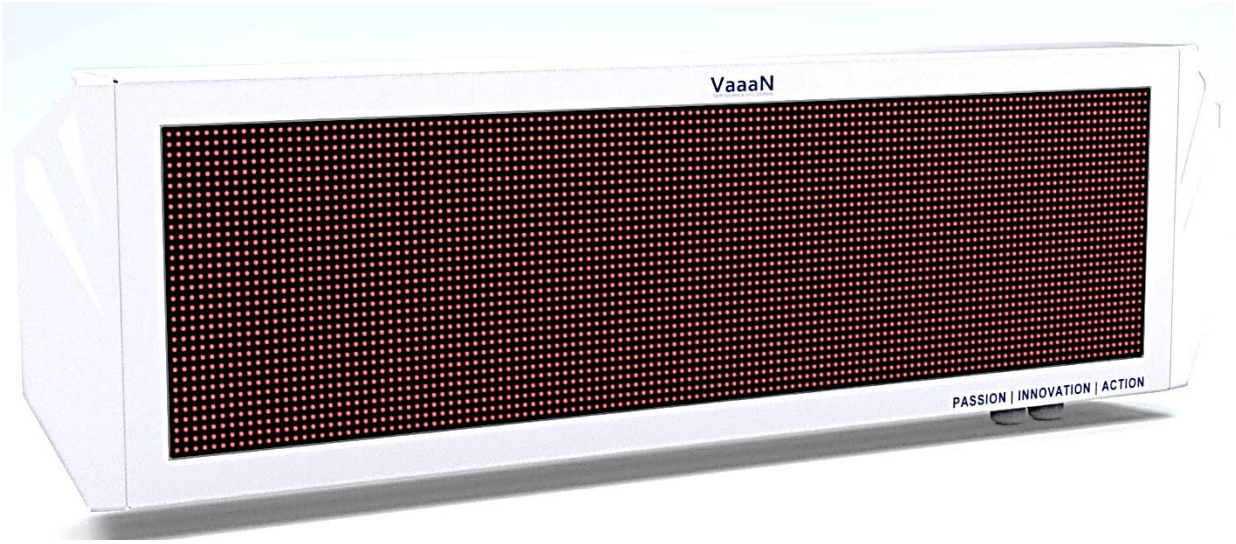
PUBLIC INFORMATION SYSTEM (PIS 1.0)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of LED Display is tailored for use for multiple applications, for eg at Toll Plazas as User fare Display (UFD) for displaying the amount deducted, at Bus Depots or, Water Metro jetties for indicating passenger count during boarding / de-boarding, etc.

AT A GLANCE



Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	690 mm (L) x 210 mm (H) x 80 mm (D) (Approx.)
Display Area	640mm (L) x 160 mm (H)
Character Height	150 mm Single line and 70 mm Dual Line
Line Matrix	16x64
Module Resolution	16x32 pixels
Number of Lines	2 Lines
Material	Mild Steel / Stainless Steel (304)
Pixel pitch	10 mm (V) x10 mm (H)

LED Parameters	Specifications
Type of LED	DIP
Colour	Red or Amber

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LED Parameters	Specifications
Viewing Angle	120 all around

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	40 watts at maximum display intensity
Protection	Short circuit, overload, over voltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single side
Ambient Environment	Operating temperature: 0°C to +70°C
IP Protection Rating	IP 65
Certification	CE
Intensity of Display	In-built light sensor with continuously variable brightness control to enable the display intensity to change based on ambient light conditions – Optional component
Viewing distance	20 meters in daylight, 30 meters at Night.
Communication protocol	Over Ethernet or, RS-232
Updating of firmware	Locally via USB
Information displayed	Fixed, Scrolling and Flashing mode.
Language Support	2 languages; English, हिन्दी / as requested
Animation	Customized fonts and animations, as requested

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PUBLIC INFORMATION SYSTEM (PIS 2.0)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of LED Display is tailored for use for multiple applications, for eg at Toll Plazas as User fare Display (UFD) cum Stop/Go indication is to be displayed in a single unit; for displaying Passenger Count alongwith customized animations / graphics at Bus Depots or, Water Metro jetties, etc.

AT A GLANCE

Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	800 mm (L) x 400 mm (H) x 81.5 mm (D) (Approx.)
Display Area	640mm (L) x 320 mm (H)
Character Height	150 mm - Large Font 70 mm - Small Font
Line Matrix	16×128
Module Resolution	32×64
Number of Lines	2
Material	Mild Steel / Stainless Steel (304)
Pixel pitch	10 mm (V) × 10 mm (H)

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LED Parameters	Specifications
Type of LED	DIP
Colour	Red and Green
Viewing Angle	120º

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	80 W at maximum display intensity
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single Side
Ambient Environment	Operating temperature: 0°C to +70°C
IP Protection Rating	IP 65
Certification	CE
Intensity of Display	4500 Nits
Viewing distance	20 Meters – Day Light 30 Meters - Night
Communication protocol	Over Ethernet or, RS-232
Updating of firmware	Locally via USB
Information displayed	Static, Scrolling, Custom Bitmaps
Language Support	English and हिन्दी / as requested
Animation	Customized fonts and Animations, as requested

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PUBLIC INFORMATION SYSTEM (PIS 2.1)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of LED Display is tailored for use for multiple applications, for eg at Toll Plazas as User fare Display (UFD) cum Stop/Go indication is to be displayed in a single unit; for displaying Passenger Count alongwith customized animations / graphics at Bus Depots or, Water Metro jetties, etc. This variant has an inbuilt sensor which enables brightness to be automatically adjusted as per ambient conditions.

AT A GLANCE

Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	800 mm (L) x 400 mm (H) x 81.5 mm (D) (Approx.)
Display Area	640 mm (L) x 320 mm (H)
Character Height	150 mm - Large Font 70 mm - Small Font
Line Matrix	16×128
Module Resolution	32×64
Number of Lines	2
Material	Mild Steel / Stainless Steel (304)
Pixel pitch	10mm (V) × 10mm (H)

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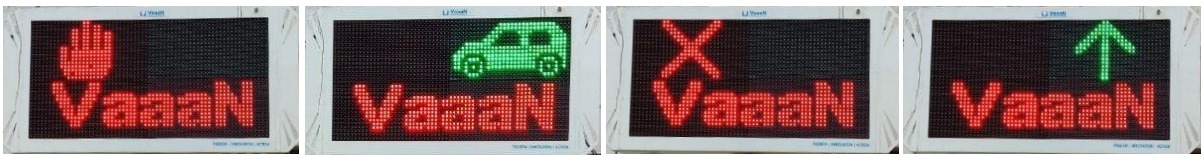
LED Parameters	Specifications
Type of LED	DIP
Colour	Red and Green
Viewing Angle	120º

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	80 W at maximum display intensity
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single Side
Ambient Environment	Operating temperature: 0°C to +70°C
IP Protection Rating	IP 65
Certification	CE
Intensity of Display	In-built ambient light sensor to adjust Display brightness according to ambient lighting condition, full brightness 4500 Nits in Day Light
Viewing distance	20 Meters – Day Light 30 Meters - Night
Communication protocol	Over Ethernet or, RS232
Updating of firmware	Locally via USB
Information displayed	Static, Scrolling, Custom Bitmaps
Language Support	English and हिन्दी / as requested
Animation	Customized fonts and Animations, as requested



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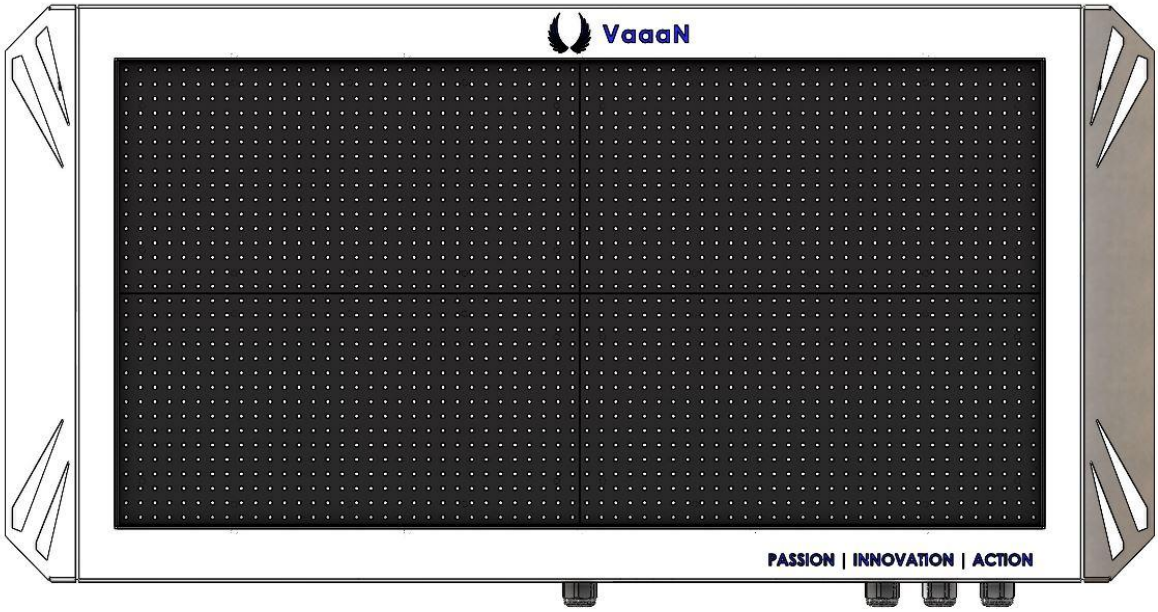
PUBLIC INFORMATION SYSTEM (PIS 2.2)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of LED Display is tailored for use for multiple applications, for e.g., at Toll Plazas as User fare Display (UFD) cum Stop/Go indication is to be displayed in a single unit; for displaying Passenger Count along with customized animations / graphics at Bus Depots or, Water Metro jetties, etc. This variant has an inbuilt sensor which enables brightness to be automatically adjusted as per ambient conditions.

AT A GLANCE



Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	800 mm (L) x 400 mm (H) x 81.5 mm (D) (Approx.)
Display Area	640 mm (L) x 320 mm (H)
Character Height	150 mm - Large Font 70 mm - Small Font
Line Matrix	16×128
Module Resolution	32×64
Number of Lines	2
Material	Mild Steel / Stainless Steel (304)
Pixel pitch	10mm (V) × 10mm (H)

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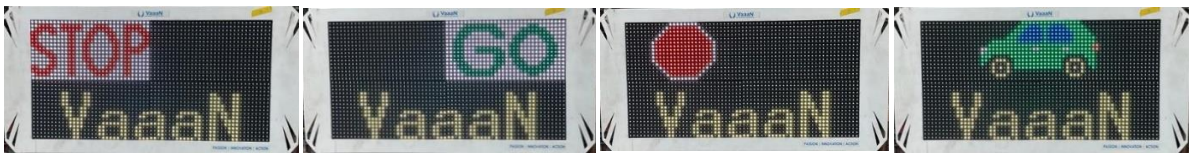
LED Parameters	Specifications
Type of LED	SMD
Colour	RGB
Viewing Angle	120º

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	80 W at maximum display intensity
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single Side
Ambient Environment	Operating temperature: 0°C to +70°C
IP Protection Rating	IP 65
Certification	CE
Intensity of Display	In-built ambient light sensor to adjust Display brightness according to ambient lighting condition, full brightness 8500 Nits in Day Light (Optional)
Viewing distance	20 Meters – Day Light 30 Meters - Night
Communication protocol	Over Ethernet
Updating of firmware	Remotely over Ethernet
Information displayed	Static, Scrolling, Custom Bitmaps
Language Support	English
Animation	Customized fonts and Animations, as requested



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PUBLIC INFORMATION SYSTEM (PIS 3.0)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of LED Display is tailored for use for multiple applications, for eg at Bus Shelters for displaying route information of buses, capacities, arrival of next bus, multimodal transport information; for displaying Passenger Count alongwith customized animations / graphics at Bus Depots or, Water Metro jetties etc.

AT A GLANCE

Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	1198 mm (L) x 430 mm (H) x 85 mm (D) (Approx.)
Display Area	960 mm (L) x 320 mm (H)
Character Height	150 mm - Large Font 70 mm - Small Font
Line Matrix	16×192
Module Resolution	32×96
Number of Lines	4
Material	Mild Steel
Pixel pitch	10mm (V) × 10mm (H)

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LED Parameters	Specifications
Type of LED	DIP
Colour	Amber
Viewing Angle	120º

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	120 W at maximum display intensity
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single Side
Ambient Environment	Operating temperature: 0°C to +70°C
IP Protection Rating	IP 65
Certification	CE
Intensity of Display	In-built ambient light sensor to adjust Display brightness according to ambient lighting condition, full brightness 4500 Nits in Day Light
Viewing distance	20 Meters – Day Light 30 Meters - Night
Communication protocol	Over Ethernet or, RS232
Updating of firmware	Locally via USB
Information displayed	Static, Scrolling, Custom Bitmaps
Language Support	English and हिन्दी / as requested
Animation	Customized fonts and Animations, as requested

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PUBLIC INFORMATION SYSTEM (PIS 4.0) SPEED DISPLAY

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of multi-colour LED Display is tailored for use for multiple applications, for eg for displaying detected speed on highways and tunnels; for displaying variable Speed Limit on Highways and tunnels; etc.

AT A GLANCE

Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	750 mm (L) x 850 mm (H) x 110 mm (D) (Approx.)
Display Area	570 mm (L) x 576 mm (H)
Weight (without mounting)	≤16 kgs
Character Height	72 mm - Small Font 132 mm - Medium Font 360 mm - Large Font
Line Matrix	96×96
Module Resolution	96×96
Number of Lines	3
Material	Mild Steel / Aluminium
Pixel pitch	6 mm (V) × 6 mm (H)

LED Parameters	Specifications

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Type of LED	SMD
Colour	RGB
Viewing Angle	120º

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	120 W at maximum brightness
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Number of Side	Single Side
Ambient Environment	Operating temperature: -20°C to +65°C
IP Protection Rating	Front: IP65, Rear: IP54
Certification	CE
Intensity of Display	In-built ambient light sensor to adjust Display brightness according to ambient lighting condition.
Viewing distance	≤120 meters
Communication protocol	Over Ethernet
Updating of firmware	Remotely over Ethernet
Information displayed	Static, Flashing
Language Support	English

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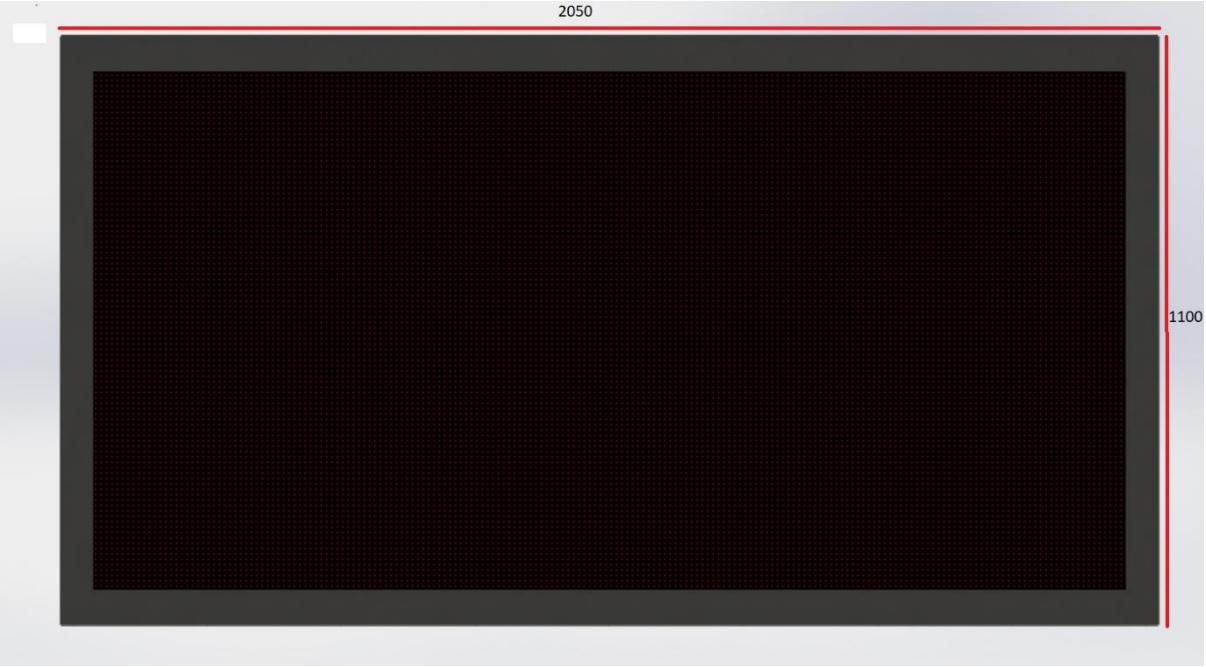
PUBLIC INFORMATION SYSTEM (PIS 5.2.1)

TECHNICAL DATASHEET

Public Information Systems are meant to display information relevant to a specific application. This variant of multi-colour LED Display is tailored for displaying meteorological information.

AT A GLANCE



Technical Details:

SNo	Description	Specification
1.	**Light Source**	High Power LED's
2.	**Housing**	Modular design, powder-coated profiles made of Mild Steel.
3.	**Protection**	Class IP 65 Front Class IP 54 Back
4.	**Operating Temperature Range**	-15°C to +65°C
5.	**Humidity Range**	20 – 95% relative humidity
6.	**Controller**	Embedded controller designed for industrial temperature range: -20 to +85 °C Integrated fast access.
7.	**Interfaces**	Ethernet (TCP/IP)
8.	**Mounting options**	Cantilever and other variants on request
9.	**Protocol**	NTCIP Ver 3

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Display Specifications

SNo	Description	Specification
1.	**Pixel Pitch**	Vertical 10 mm and Horizontal 10 mm
2.	**LED Type**	SMD
3.	**Pixel Configuration**	Full Colour (RGB)
4.	**Display Sides**	1 (One Sided)
5.	**Colour Depth**	>12 bit per colour
6.	**Display Dimensions (L x H)**	1920 x 960 mm
7.	**Visible distance**	≥50m
9.	**Luminance class/Ratio**	As per EN 12966: Colour class - C2, Luminance class - L3, Contrast Ration - R3, Beamwidth - B6
10.	**Display Language**	English, Hindi and Regional Language.
11.	**Information**	Support text & Symbols
12.	**Display Effects**	Static & scrolling
13.	**Frame rate**	60 Hz
14.	**Refresh rate**	>500 Hz
15.	**Brightness control**	Brightness control based on • Automatic using Ambient light sensor • Manually through control room application
16.	**Character Height/No. of Lines/No. of characters per line**	200 mm, 4 lines, 10 character per line Meteorological Icons

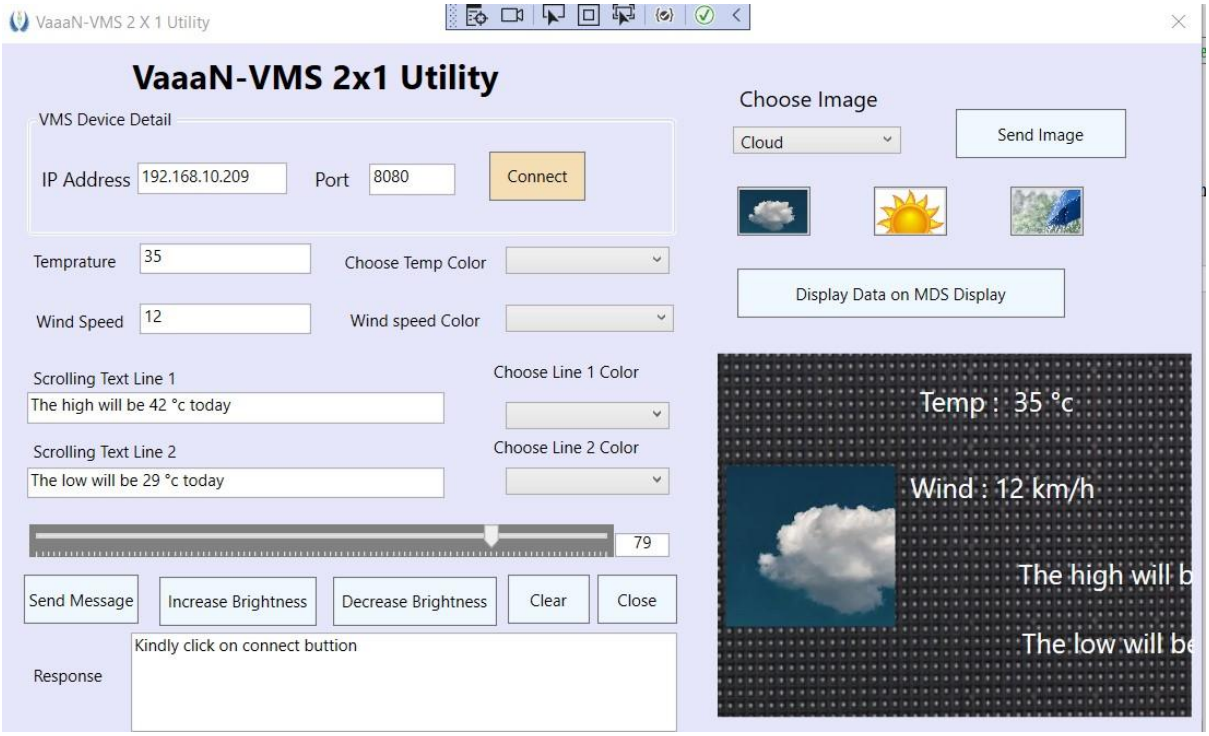
Mechanical Specifications

SNo	Description	Specification
1.	**Outer Dimension (L x H X D)**	2050 mm x 1100 mm x 220 mm
3.	**Enclosure Material**	Mild Steel
4.	**Enclosure Colour**	Black Powder coated
5.	**Cooling System**	Temperature sensor based automatic air circulation system
6.	**Weight**	< 100 Kgs

Electrical & Network Interface Specifications

SNo	Description	Specification
1.	**Operating Power Supply**	(170-260) V AC Single Phase, Neutral, ground
2.	**Communication Interface**	• 1 x RJ45 100 Mbps for Central connectivity • 1 x RJ45 100 Mbps for local operating console (Laptop)
3.	**Power Consumption (approx.)**	1.5 KW Peak consumption (All LEDs ON) 0.3 KW typical (Normal condition)
4.	**Protection**	Surge Protection, Over Voltage, Over Current

Utility Snapshot



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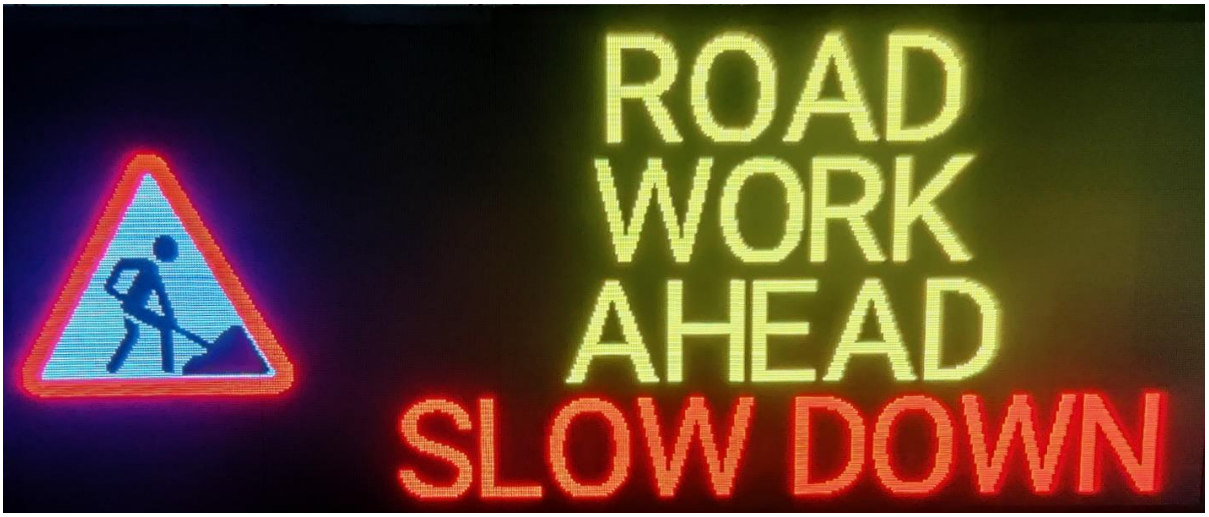
PUBLIC INFORMATION SYSTEM (PIS 5.30)

TECHNICAL DATASHEET

Public Information System 5.30 – Variable Message Sign (VMS) is used to inform, warn, and guide the motorists on highways, expressways, and arterial roads of cities by displaying route / rerouting information, warnings (accidents, congestions, etc), and other critical information depending upon traffic situation.

AT A GLANCE

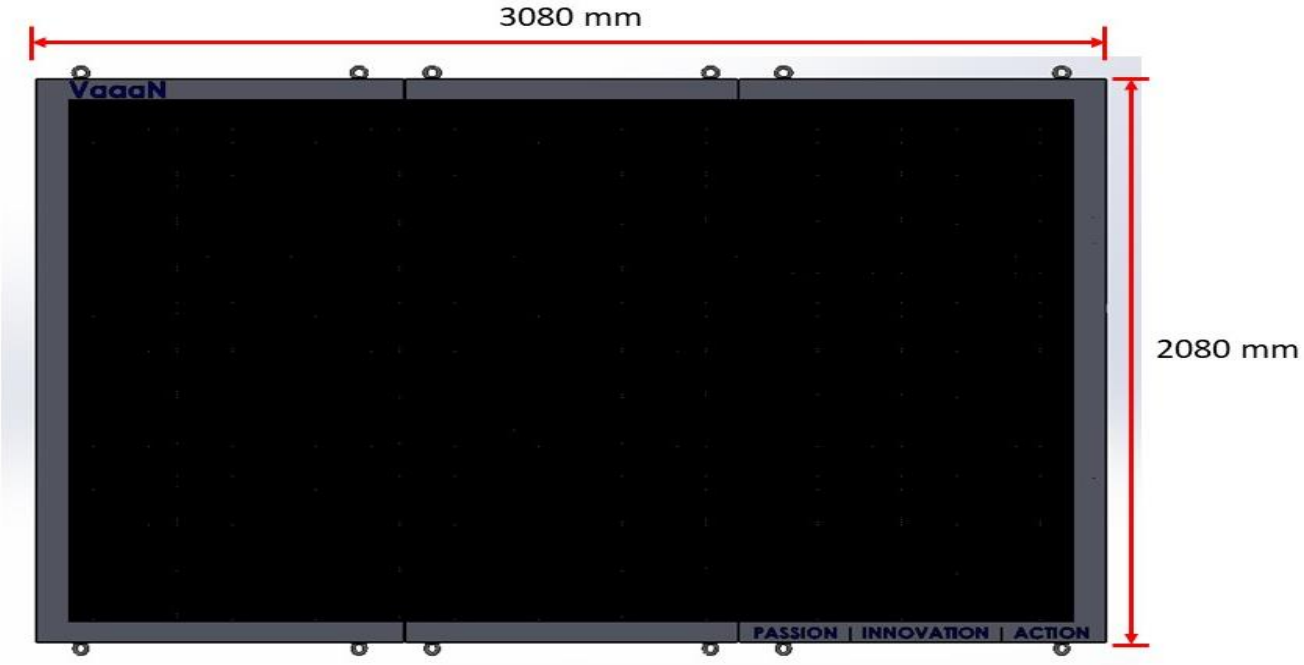


Technical Details:

SNo	Description	Specification
1.	**Light Source**	High Power LED's
2.	**Housing**	Modular design principle in sea-water-proof, powder-coated profiles made of Mild Steel / Aluminium
3.	**Protection**	Class IP 65 Front Class IP 54 Back
4.	**Operating Temperature Range**	-15°C to +65°C
5.	**Humidity Range**	20 – 95% relative humidity
6.	**Controller**	Embedded controller designed for industrial temperature range: -20 to +85 °C Integrated fast access.
7.	**Communication Interface**	Ethernet (TCP/IP), 4G (optional)
8.	**Mounting options**	Cantilever and C-rails pipe clamps and other variants on request
9.	**Protocol**	NTCIP Ver 3

Display Specifications

SNo	Description	Specification
1.	**Pixel Pitch**	Vertical 10 mm and Horizontal 10 mm
2.	**LED Type**	SMD
3.	**Pixel Configuration**	Full Colour (RGB)
4.	**Display Sides**	1 (One Sided)
5.	**Colour Depth**	>12 bit per colour
6.	**Display Dimensions (L x H)**	2880 x 1920 mm
7.	**Visible distance**	≥300m
9.	**Luminance class/Ratio**	As per EN 12966: Colour class - C2, Luminance class - L3, Contrast Ration - R3, Beamwidth - B6
10.	**Display Language**	English, Hindi and Regional Language.
11.	**Information**	Support text & Symbols
12.	**Display Effects**	Static & scrolling
13.	**Frame rate**	60 Hz
14.	**Refresh rate**	>500 Hz
15.	**Brightness control**	Brightness control based on • Automatic using Ambient light sensor • Manually through control room application
16.	**Character Height, No. of Lines, No. of characters per line**	200 mm/ 8 lines/ 14 character per line 400 mm/ 4 line /8 character per line



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Mechanical Specifications

SNo	Description	Specification
1.	**Outer Dimension (L x H X D)**	3080 mm x 2080 mm x 250 mm
3.	**Enclosure Material**	Mild Steel / Aluminium
4.	**Enclosure Colour**	Black Powder coated
5.	**Cooling System**	Temperature sensor based automatic air circulation system
6.	**Weight**	< 225 Kgs

Electrical & Network Interface Specifications

SNo	Description	Specification
1.	**Operating Power Supply**	(170-260) V AC Single Phase, Neutral, ground
2.	**Communication Interface**	• 1 x RJ45 100 Mbps for Central connectivity • 1 x RJ45 100 Mbps for local operating console (Laptop) • 4G (Optional)
3.	**Power Consumption (approx.)**	5.4 KW Peak consumption (All LEDs ON) 1 KW typical (Normal condition)
4.	**Protection**	Surge Protection, Over Voltage, Over Current

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PUBLIC INFORMATION SYSTEM (PIS 5.5.1)

TECHNICAL DATASHEET

Public Information System 5.5.1 – Variable Message Sign (VMS) is used to inform, warn, and guide the motorists on highways, expressways, and arterial roads of cities by displaying route /rerouting information, warnings (accidents, congestions), and other critical information depending upon traffic situation.

AT A GLANCE

Technical Details:

SNo	Description	Specification
1.	**Light Source**	High Power LED's
2.	**Housing**	Modular design principle in sea-water-proof, powder-coated profiles made of Mild Steel / Aluminium
3.	**Protection**	Class IP 65 Front Class IP 54 Back
4.	**Operating Temperature Range**	-15°C to +65°C
5.	**Humidity Range**	20 – 95% relative humidity
6.	**Controller**	Embedded controller designed for industrial temperature range: -20 to +85 °C Integrated fast access.
7.	**Interfaces**	Ethernet (TCP/IP), 4G (optional)
8.	**Mounting options**	Cantilever and C-rails pipe clamps and other variants on request
9.	**Protocol**	NTCIP Ver 3

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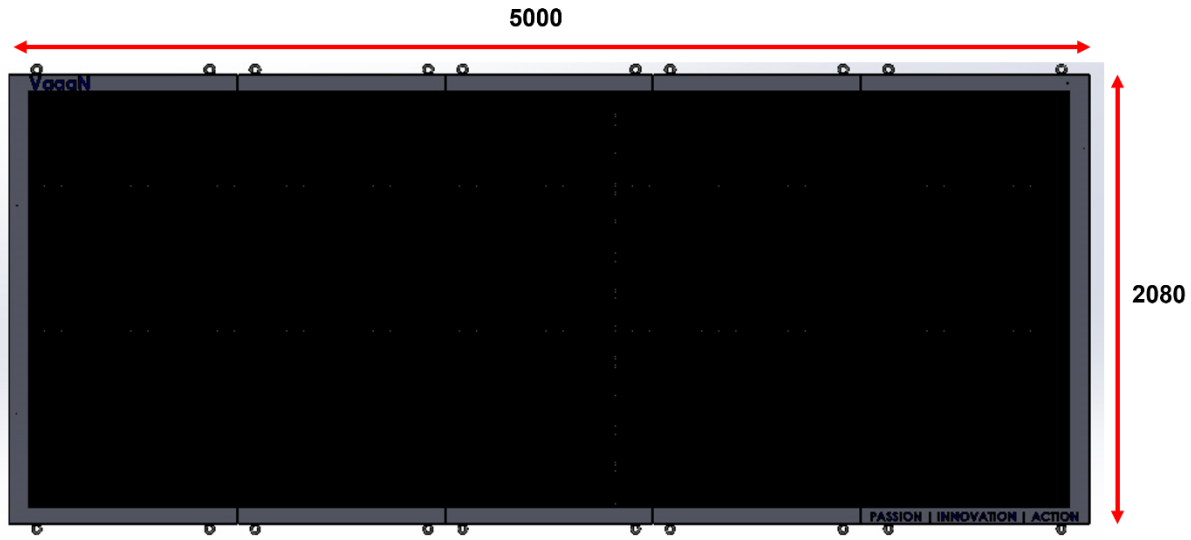
Display Specifications

SNo	Description	Specification
1.	**Pixel Pitch**	Vertical 10 mm and Horizontal 10 mm
2.	**LED Type**	SMD
3.	**Pixel Configuration**	Full Colour (RGB)
4.	**Display Sides**	1 (One Sided)
5.	**Colour Depth**	>12 bit per colour
6.	**Display Dimensions (L x H)**	4800 x 1920 mm
7.	**Visible distance**	≥300m
9.	**Luminance class/Ratio**	As per EN 12966: Colour class - C2, Luminance class - L3, Contrast Ration - R3, Beamwidth - B6
10.	**Display Language**	English, Hindi and Regional Language.
11.	**Information**	Support text & Symbols
12.	**Display Effects**	Static & scrolling
13.	**Frame rate**	60 Hz
14.	**Refresh rate**	>500 Hz
15.	**Brightness control**	Brightness control based on • Automatic using Ambient light sensor • Manually through control room application
16.	**Character Height/No. of Lines/No. of characters per line**	200 mm/ 8 lines/ 26 character per line 400 mm/ 4 line /13 character per line



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Mechanical Specifications

SNo	Description	Specification
1.	**Outer Dimension (L x H X D)**	5000 mm x 2080 mm x 250 mm
3.	**Enclosure Material**	Mild Steel / Aluminium
4.	**Enclosure Colour**	Black Powder coated
5.	**Cooling System**	Temperature sensor based automatic air circulation system
6.	**Weight**	< 350 Kgs

Electrical & Network Interface Specifications

SNo	Description	Specification
1.	**Operating Power Supply**	(170-260) V AC Single Phase, Neutral, ground
2.	**Communication Interface**	• 1 x RJ45 100 Mbps for Central connectivity • 1 x RJ45 100 Mbps for local operating console (Laptop) • 4G (Optional)
3.	**Power Consumption (approx.)**	10 KW Peak consumption (All LEDs ON) 1.5 KW typical (Normal condition)
4.	**Protection**	Surge Protection, Over Voltage, Over Current

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TRAFFIC SIGNAL (Ver. 1.0)

TL12V0010924

TRAFFIC SIGNAL - A 12V DC operated red-green traffic signal is a low-voltage traffic management device used to direct vehicle and pedestrian flow at various junctions. Designed for energy efficiency and safety, it's ideal for off-grid locations, benefitting from low operational costs and the potential for battery or solar power use. The incorporation of LED technology further boosts its visibility, durability, and energy conservation, making it a practical choice for both remote and temporary traffic control solutions.

MAKE	VaaaN
MODEL	TL-12VDC
DIMENSIONS	300x 300mm
WEIGHT	3 kg
INSATALLTION	Pole Mounting & Gantry Mounting (Horizontally)
CABLES	Power Consumption :< 20W Power Supply: 12V@3A SMPS
MATERIAL	MS WITH POWERED COATING
COLOUR ASPECTS	Red & Green
POWER SUPPLY REQUIREMENTS	12V DC@2.5A Power Factor: More than 0.90% Power Protection : Reverse Polarity, Under/Over Current
ACCESS FOR MAINTENANCE	Back side for disassembly/Maintenance
LED KIT	LED 5 mm LED : Super bright-clear LED Retrofit Dia. : 200mm (±10%) full round LED Intensity : Green: 12000 mcd and Red: 6000 mcd Light Intensity(Brightness) : ≤200cd Chain Failure : No chain failure of LEDs. Failed LED only will not work. Wave Length : Red-625nm and Green-505nm PCB Protection : High Quality, Green masking, Pads- Tin plated, Interface : Separate 12V DC @3A SMPS MTBF : >50,000 HOURS (As per LED lifespam)
ENCLOSURE/BODY	Termination : Industrial grade Connector Hood : Sun Hood-MS 75mm Finish : Grayish Black texture Mounting : Pole Mounting from back side Front : Clear Lens/Acrylic
ENVIRONMENT CONDITIONS	IP RATING : 54 OPERATING TEMP. : -5°C to 65°C HUMIDITY : 95% RH

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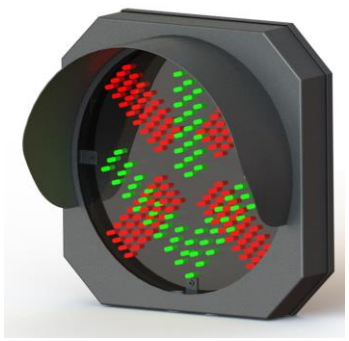
OVER HEAD LANE SIGNAL (Ver. 1.0)

OHLS12V0010924



OHLS stands for Overhead Lane Signal Lights.

A 12V DC operated OHLS is a low-voltage traffic management device used to direct vehicle and pedestrian flow at various junctions, utilizing red for stop and green for go. Designed for energy efficiency and safety, it's ideal for off-grid locations, benefitting from low operational costs and the potential for battery or solar power use.

MAKE	VaaaN
MODEL	OHLS-12VDC
DIMENSIONS	300x 300mm
WEIGHT	3 kg
INSATALLTION	Pole Mounting & Gantry Mounting (Horizontally)
CABLES	Power Consumption :< 20W Power Supply: 12V@3A SMPS
MATERIAL	MS WITH POWERED COATING
COLOUR ASPECTS	Red & Green
POWER SUPPLY REQUIREMENTS	12V DC@2.5A Power Factor: More than 0.90% Power Protection : Reverse Polarity, Under/Over Current
ACCESS FOR MAINTENANCE	Back side for disassembly/Maintenance
LED KIT	LED 5 mm LED : Super bright-clear LED Retrofit Dia. : 200mm (±10%) full round LED Intensity : Green: 12000 mcd and Red: 6000 mcd Light Intensity(Brightness) : ≤200cd Chain Failure : No chain failure of LEDs. Failed LED only will not work. Wave Length : Red-625nm and Green-505nm PCB Protection : High Quality, Green masking, Pads- Tin plated, Interface : Separate 12V DC @4A SMPS MTBF : >50,000 HOURS (As per LED lifespam)
ENCLOSURE/BODY	Termination : Industrial grade Connector Hood : Sun Hood-MS 75mm Finish : Grayish Black texture Mounting : Pole Mounting from back side Front : Clear Lens/Acrylic
ENVIRONMENT CONDITIONS	IP RATING : 54 OPERATING TEMP. : -5°C to 65°C HUMIDITY : 95% RH

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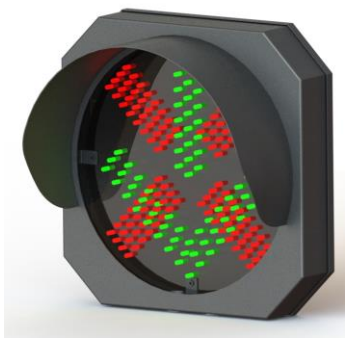
OVER HEAD LANE SIGNAL (Ver. 2.0)

R&D-5258



OHLS stands for Overhead Lane Signal Lights.
A 12V DC operated OHLS is a low-voltage traffic management device used to direct vehicle and pedestrian flow at various junctions, utilizing red for stop and green for go. Designed for energy efficiency and safety, it's ideal for off-grid locations, benefitting from low operational costs and the potential for battery or solar power use.
Additionally, the OHLS can be controlled remotely via a web server using Ethernet protocol.

MAKE	**VaaaN**
MODEL	**OHLS-ETH**
DIMENSIONS	**300x 300mm**
WEIGHT	**3 kg**
INSATALLTION	**Pole Mounting from back and side**
CABLES	**Power Consumption :< 20W** **Power Supply: 12V@3A SMPS**
MATERIAL	**MC WITH POWERED COATING**
COLOUR ASPECTS	**Red & Green**
POWER SUPPLY REQUIREMENTS	**12V DC@2.5A** **Power Factor: More than 0.90%** **Power Protection : Reverse Polarity, Under/Over Current**
ACCESS FOR MAINTENANCE	**Back side for disassembly/Maintenance**
LED KIT	**LED 5 mm LED : Super bright-clear** **LED Retrofit Dia. : 200mm (±10%) full round** **LED Intensity : Green: 12000 mcd and Red: 6000 mcd** **Light Intensity(Brightness) : ≤200cd** **Chain Failure : No chain failure of LEDs. Failed LED only will not work.** **Wave Length : Red-625nm and Green-505nm**
ENCLOSURE/BODY	**PCB Protection : High Quality, Green masking, Pads- Tin plated,** **Interface : Separate 12V DC @4A SMPS** **MTBF : >50,000 HOURS (As per LED lifespam)** **Termination : Industrial grade Connector** **Hood : Sun Hood-MS 75mm** **Finish : Grayish Black texture** **Mounting : Pole Mounting from back and side** **Front : Clear Lens/Acrylic**
ENVIRONMENT CONDITIONS	**IP RATING : 65** **OPERATING TEMP. : -5°C to 65°C** **HUMIDITY : 95% RH**

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FOG LIGHT

FL0110001126

Blinker unit to blink/flash 15 to 60 times per minute (adjustable) - The fog lights can be operated from a centrally controlled blinking unit for synchronized flashing of all FOG lights at bull nose in a Toll plaza. One blinker control unit can control one Toll Plaza up to 20 Fog Lights.

They are specialized vehicle lights designed to improve visibility during fog, heavy rain, or snow. Positioned low on the bumper, they illuminate the road directly ahead while reducing glare. Their focused, wide beam helps drivers see lane markings and obstacles more clearly in poor weather conditions.

MAKE	**VaaaN**
MODEL	**FOG LIGHT – 280AW12V**
DIMENSIONS	**300mm x 300mm**
INSTALLATION	**Pole Mounting & Gantry Mounting(Horizontally)**
LED HOUSING	
Housing Material	MS Black Powdered Coating
Housing Dimension	300mm x 300mm
Hood (Visor)	Black
Weight	3kg
LED	
Type	Hi-Brite, 5mm, water clear.
Forward current	20mA max
Viewing Angle	23° to 30°
Intensity	>5000 mcd
Visibility	Better than 300 Meters.
LED ASPECT	
Aspect Type	Amber &White, Amber LED Four Rings – Inner, White LED Two Rings-Outer Or Amber color Ball Type
Aspect Diameter	300mm ± 5%
Aspect Lens	Polycarbonate (Clear)
Aspect Mounting	Pole mounted/Bull Nose Mounting
Luminous Intensity	≥400cd
Number of Aspects	1
POWER	
Power Input	12V DC @ 1A
Power Consumption	Less than 10 Watt
Protection	Over current / Over voltage protection
ENVIRONMENT CONDITIONS	
Operating Ambient Temperature	0°C to +60° C
Humidity: Operation ambient humidity	95% RH
Protection	IP65

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