



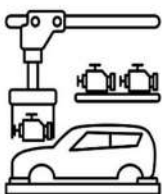
### JM AI based Human Detection

JM AIHD is an innovative AI based human detection vision system. It is a revolutionary Edge AI based unit focused on solving the problem of potential loss of human lives in areas and applications where human detection is extremely critical. It is an AI enabled unit which is focussed on enhancing real-time transparency and traceability in industrial processes for protection humans from potential hazards in diverse industrial conditions saving human lives.

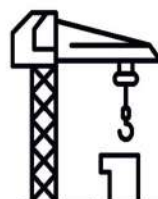
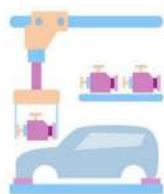
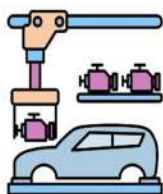
### Value to the User

- Our unit has 2 built-in cameras increasing redundancy and reliability for human detection.
- Creates time and date stamped human detected images enabling higher accuracy for real-time monitoring and accident prevention.
- Stores multiple human detected images as a historical record creating transparency for further prevention of downtime.
- Initiates e-mail alerts to multiple users with machine and location details enhancing traceability .
- Absence of any moving element inside the unit ensures robust operation
- Has built-in HMI enhancing user-friendliness for user-setting and saving additional cost involved in external display, monitor.
- Has 2 built-in relay outputs ensuring direct integration with any kind of field devices like PLC, networked hardware.
- Can be installed by any technician without demanding any special hardware (or) IT skills for installation saving potential extra installation costs involved.

### Applications



Automotive Assembly Lines



Industrial Cranes



Furnace Areas



Machining Centres



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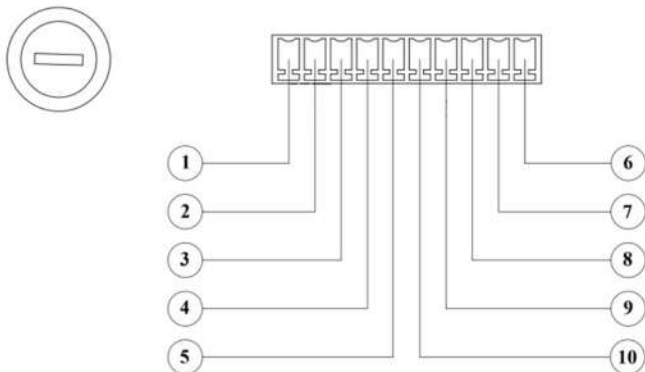
## ■ Technical Specifications

Type No.	JMHDS001
Number of cameras	2
Field of view (FOV)	135°(D) 95°(H) 70°(V)
Focus Type	Auto Focusing
Detection Range for Humans approx. (Meters)	5
Image resolution Static (Pixels)	2592 × 1944
Response Time (m Sec)	150
Ambient Light Condition Minimum (Lux)	100
Supply Voltage (VDC) Ripple Free	22 to 26
Current Consumption (Amp)	4
Output Relays	2 No SPDT Relays, 250VAC/24VDC, 10 Amp Max.
Overall Dimensions	(L) 245mm x (W) 77mm x (H) 200mm
Mounting type	DIN-Rail
Weight (gm)	2600
IP Rating	IP20
Operating Temperature	0 to 50 °C
Sensor Settings (through on screen menu)	<ul style="list-style-type: none"> <li>•Height of human to be Sensed</li> <li>•Area of interest</li> <li>•Probability of human Sensing</li> </ul>
Display Specifications	<ul style="list-style-type: none"> <li>•7.0" Inch</li> <li>•Aspect Ratio: 16:9</li> <li>•Resolution: 1024*600</li> </ul>

**J-HD**  
SERIES

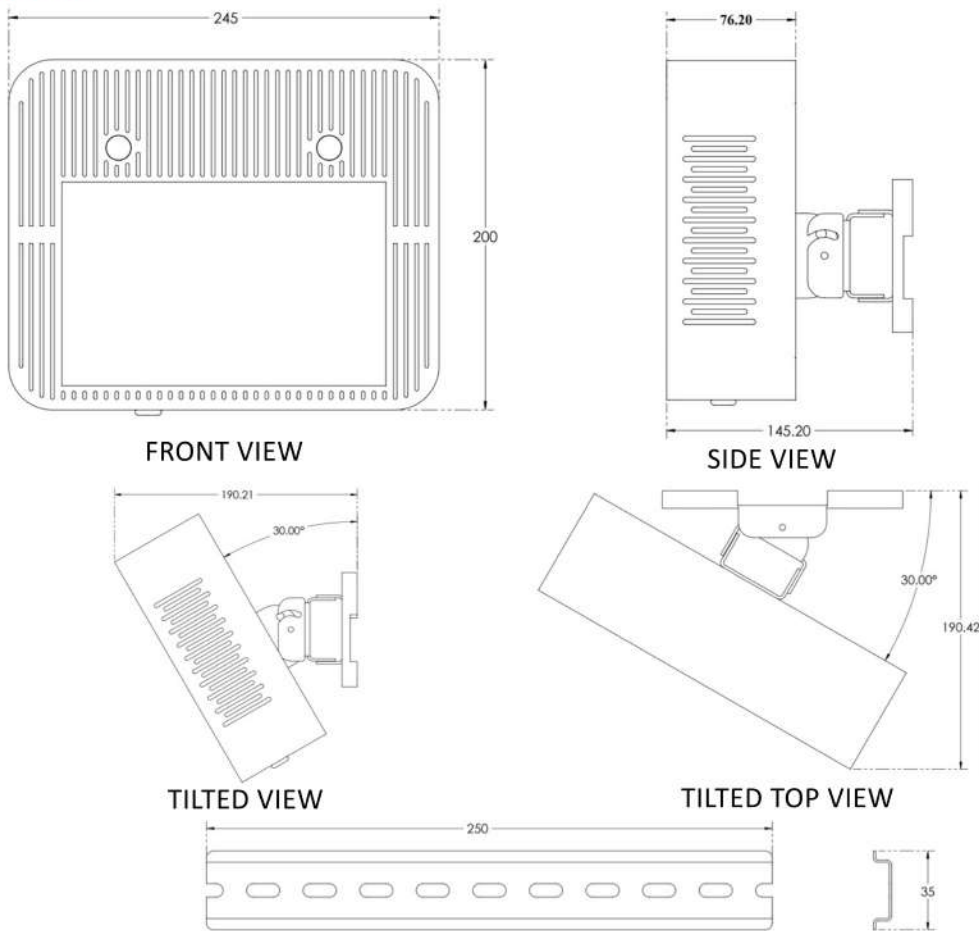
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## ■ Connection Diagram



Pin	Connection	I/O
1	xx	--
2	xx	--
3	0 VDC	Input
4	+ 24V DC	
5	Relay 1 =NC	Output Relay 1
6	Relay 1 =COM	
7	Relay 1 =NO	
8	Relay 2 =NC	Output Relay 2
9	Relay 2 =COM	
10	Relay 2 =NO	

**Dimensions**



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**Note:** All dimensions are in "mm". DIN Rail Dimensions needed for mounting (Not the part of the Supply) 250 mm Long. Mounting Space Required for Sensor : Width 260mm x Height 220mm x Depth 195mm