



**Visual Sort Assist (VSA) can drastically increase the capacity, agility and wellbeing of the parcel sorting workforce to meet these rising and rapidly changing demands, without expanding existing facilities or investing in costly and complex full automation and extensive staff training.**

## **Visual Sort Assist (VSA)**

Drastically increase the capacity, agility and wellbeing of your parcel sorting force to meet the rising and rapidly changing demands of your customers, without expanding your facilities or investing in costly and complex full automation and extensive staff training.

### **Key Features**

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Optimise workforce productivity

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Improve sorting quality

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Reduce manual errors

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Increase flexibility

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Enhance agility

## Visual Sort Assist (VSA)

<https://eu.connect.panasonic.com/de/products/supply-chain-management/visual-sort-assist-vsa>

<b>Umgebungstemperatur</b>	5 °C ~ 35 °C
<b>Illuminance (Conveyor area)</b>	120 lux ~ 1200 lux
<b>Power Supply</b>	100 V ~ 220 V 2500 W (Basic System base)
<b>Others</b>	- Frame installation is needed at conveyor areas.  - PCs need to be located at conveyor areas.  - Infrared devices may get affected. (3D sensors use infrared lights)
<b>Größe</b>	(Width x Depth x Height)  Min : 100 mm x 100 mm x 50 mm (3.9 in x 3.9 in x 2.0 in)  Max : 800 mm x 800 mm x 800 mm (31.5 in x 31.5 in x 31.5 in)
<b>Parcel Type</b>	Cardboard (Non-reflective materials, Non-transparent materials)    Note: Reflective materials such as metal, mirror, glittering wrapping or transparent materials such as transparent acrylic box may not be able to be detected.
<b>Belt width</b>	~ 1.0 m (~ 3.3 ft)
<b>Belt Type</b>	Non-reflective material
<b>Belt Length</b>	Need Some Distance from barcode reader to 1st projection area
<b>Belt Speed</b>	Less than 1.0 m/sec (3.3 ft/sec)
<b>Barcode label</b>	Requires barcode label to figure the sorting direction against the parcel
<b>Separation between parcels</b>	More than 5 cm (2.0 in)
<b>Installation environment</b>	- Installation Site: Indoor  - Operating Temperatur: 5 ~ 35 °C  - Illumination around the belt conveyor: 120lux ~ 1200lux (Illuminance in the area on the conveyor where the packages is irradiated)
<b>Equipment Requirements</b>	- Projector: Space is required to install the Projector at a height of 2 m to 3 m above the conveyor surface.  - Sensor: Space is required to install the sensor at a height of 2 m to 3 m above the conveyor surface.
<b>Scalability</b>	Number of VSA Client App: The maximum number of VSA Client Apps that can be linked to a single VSA Server is 10.
<b>Operating Hours</b>	VSA systems are not designed to operate continuously for more than 24 hours.