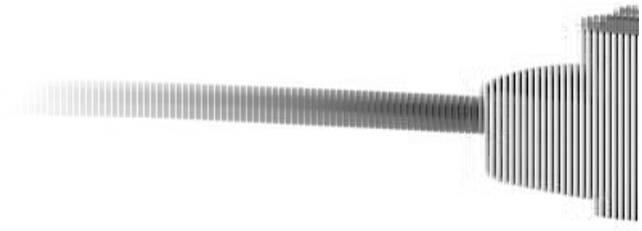
UAM-05 SAFETY LASER SCANNER

UAM-05LP-T301
Safety laser scanner, 5m, connecting cable 3m

- Protection zone 5m
- Warning zone 20m
- Versatile scanner for various applications
- Type 3, SIL2, PLd



PRODUCT DESCRIPTION

UAM-05 is the smallest safety laser scanner on the market packed with outstanding features. Extremely compact size, dimensions are only 80x80x95mm. Resolution can be selected between 30, 50, 70 and 150mm. Warning zone by default is 20 meters.

UAM is a perfect component for AGV applications as it features 32 area patterns which can be programmed via encoder input or static input. The scanner has a raw data output for transferring measured data from the surroundings.

Muting/override function enables the use in various muting-applications.

With the EDM function the scanner can monitor the input signal from the controlled machine so that the scanner can be used as a independent "stand-alone" unit without an external control unit.

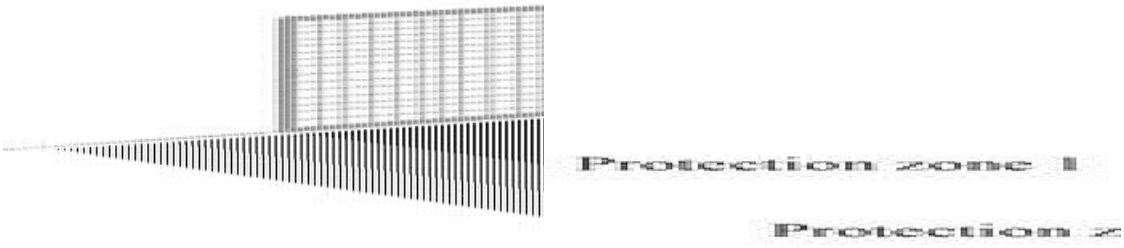
The scanner can be utilized in horizontal and vertical mounting orientations.

Scanning area

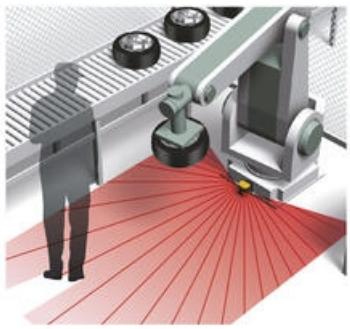
The scanning area consists of protection zone and warning zone with up to 32 programmable patterns. UAM also supports Dual Protection Mode, in which the scanner monitors two separate hazardous areas simultaneously.

In the picture illustrated below
1) Protection zone 1, warning zone 1 warning zone 2
2) Protection zone 1 and protection zone 2

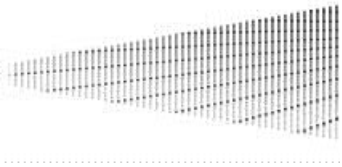
The Dual Protection Mode (pictured on the right) does not support warning zones like in standard mode.



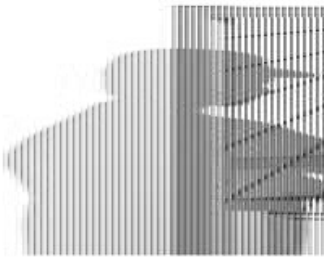
Applications



Area control (fixed)

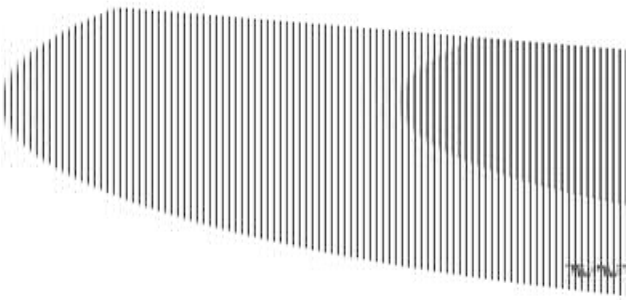


Area control (moving)



Access control

Scanning area
5 meter protection zone and 20 meter warning zone with 270° detection range.



SPECIFICATIONS

SUPPLY VOLTAGE

Supply voltage	24 V DC
Voltage Tolerance	±10 %

SCANNING

Security Field Max	5 m
Warning Field Max	20 m
Tolerance	+100 mm
Scanning Angle	270 °
Laser Class	Class 1
Number of security fields	128

INPUTS AND OUTPUTS

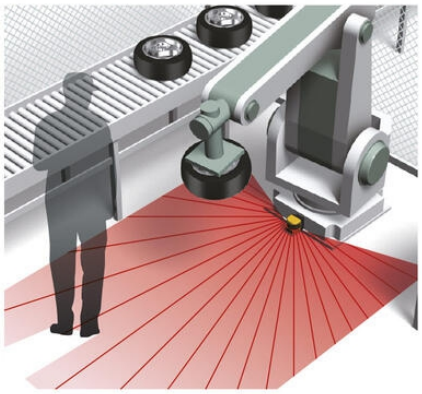
Dwell Time Min	60 ms
Dwell Max	510 ms

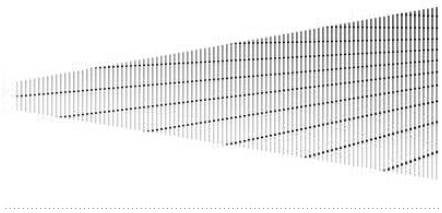
HOUSING

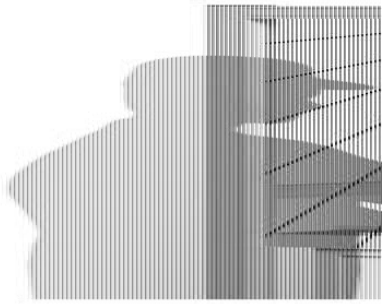
Width	80 mm
Length	80 mm
Height	95 mm
Temperature range from	-10 °C
Temperature range to	55 °C
IP Class	IP65
Weight	0.8 kg
Material of body	Aluminium
Material Front Glass	Polycarbonate

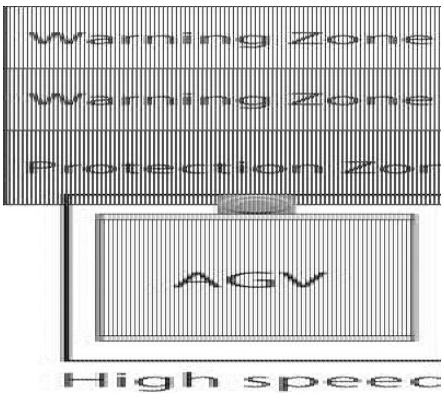
SAFETY APPROVALS

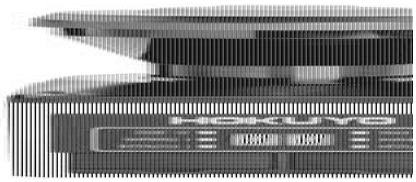
Approvals	BG, CE, cULus, TÜV
Conforming To	EMC, LVD, MD

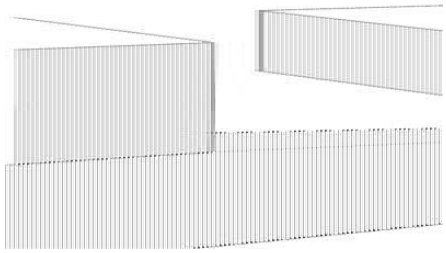




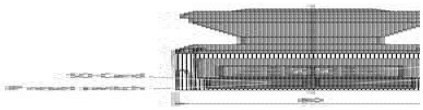


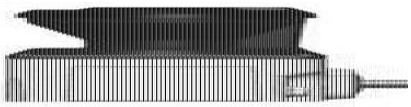


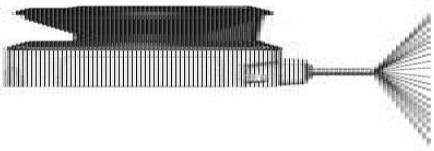


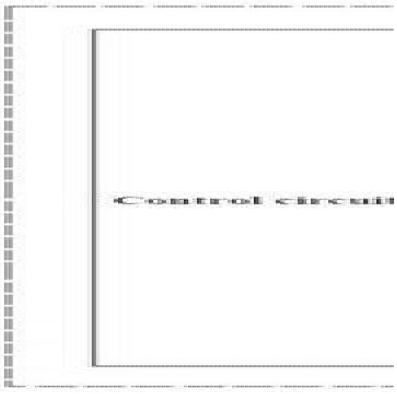


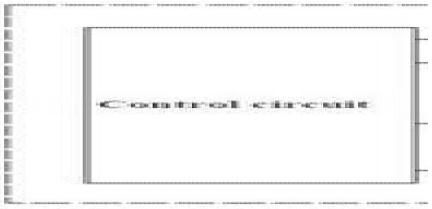
Insert SD card
Setting data


SD card






Control circuit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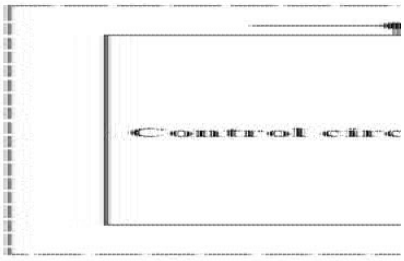
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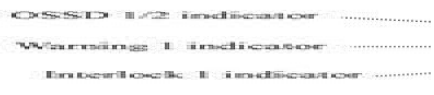
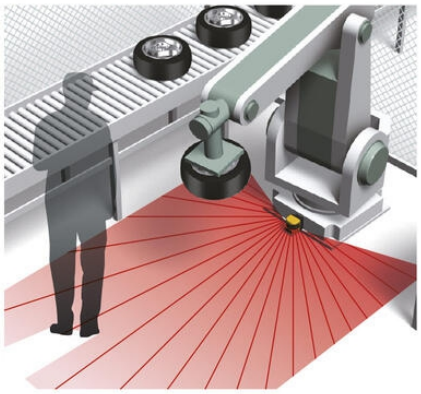
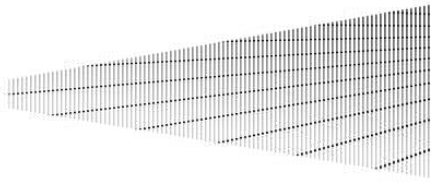
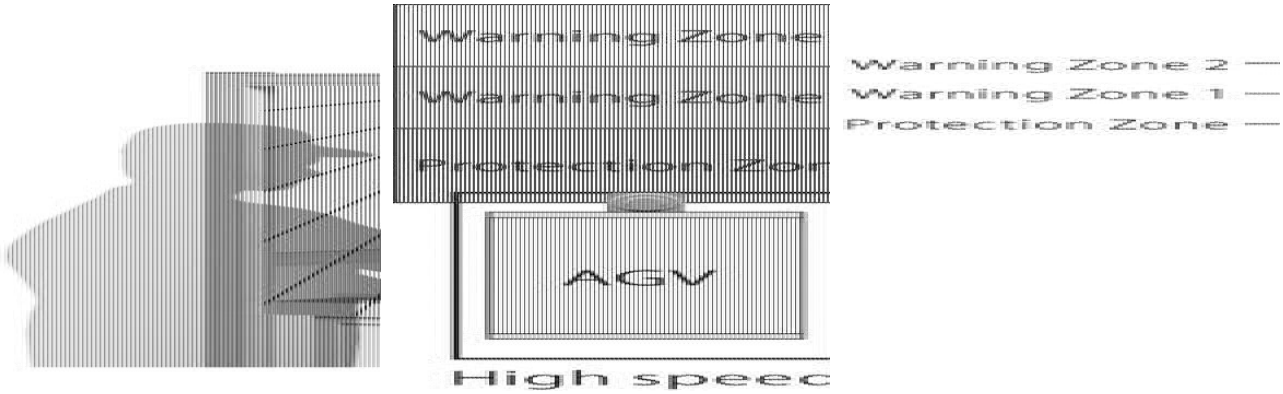
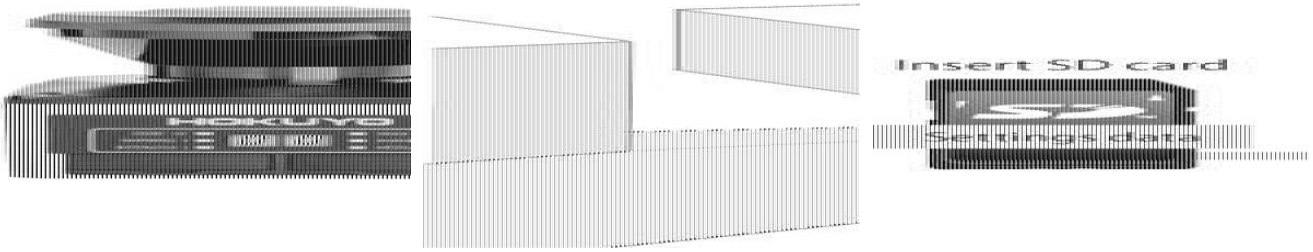

OSSD 1/2 indicator
Warning 1 indicator
Interlock 1 indicator






Warning Zone
Warning Zone
Protection Zon
AGV
High speec
Warning Zone 2
Warning Zone 1
Protection Zone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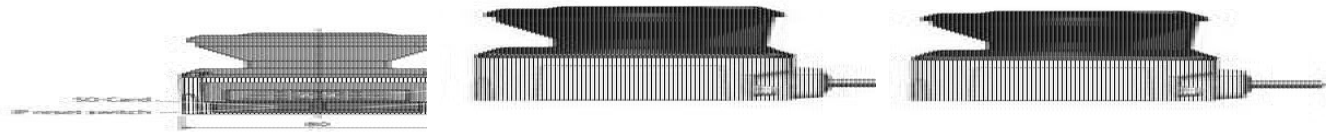

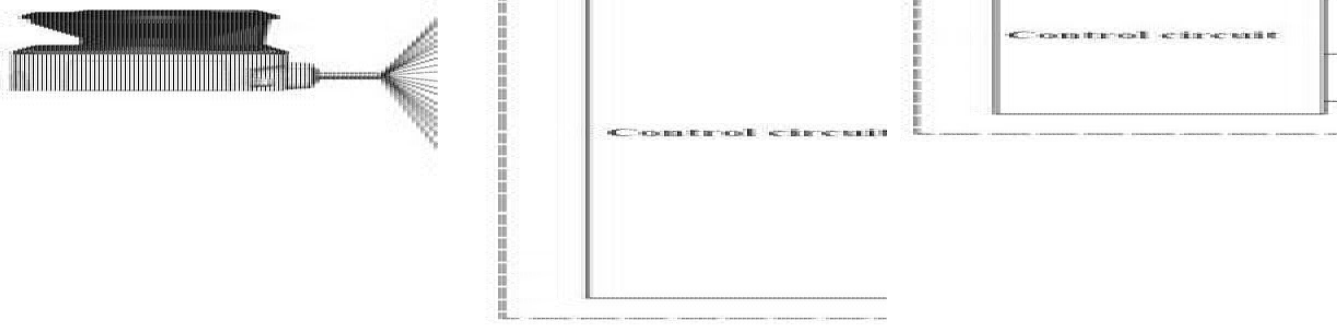
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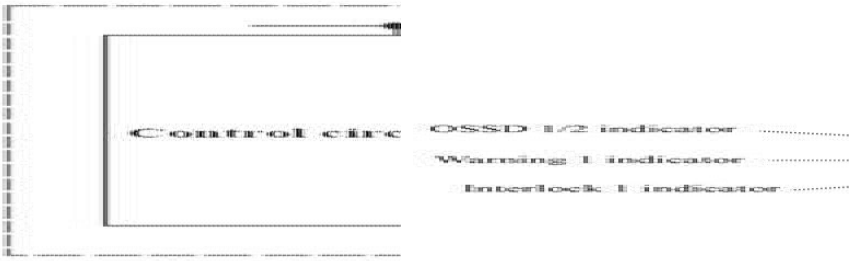
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