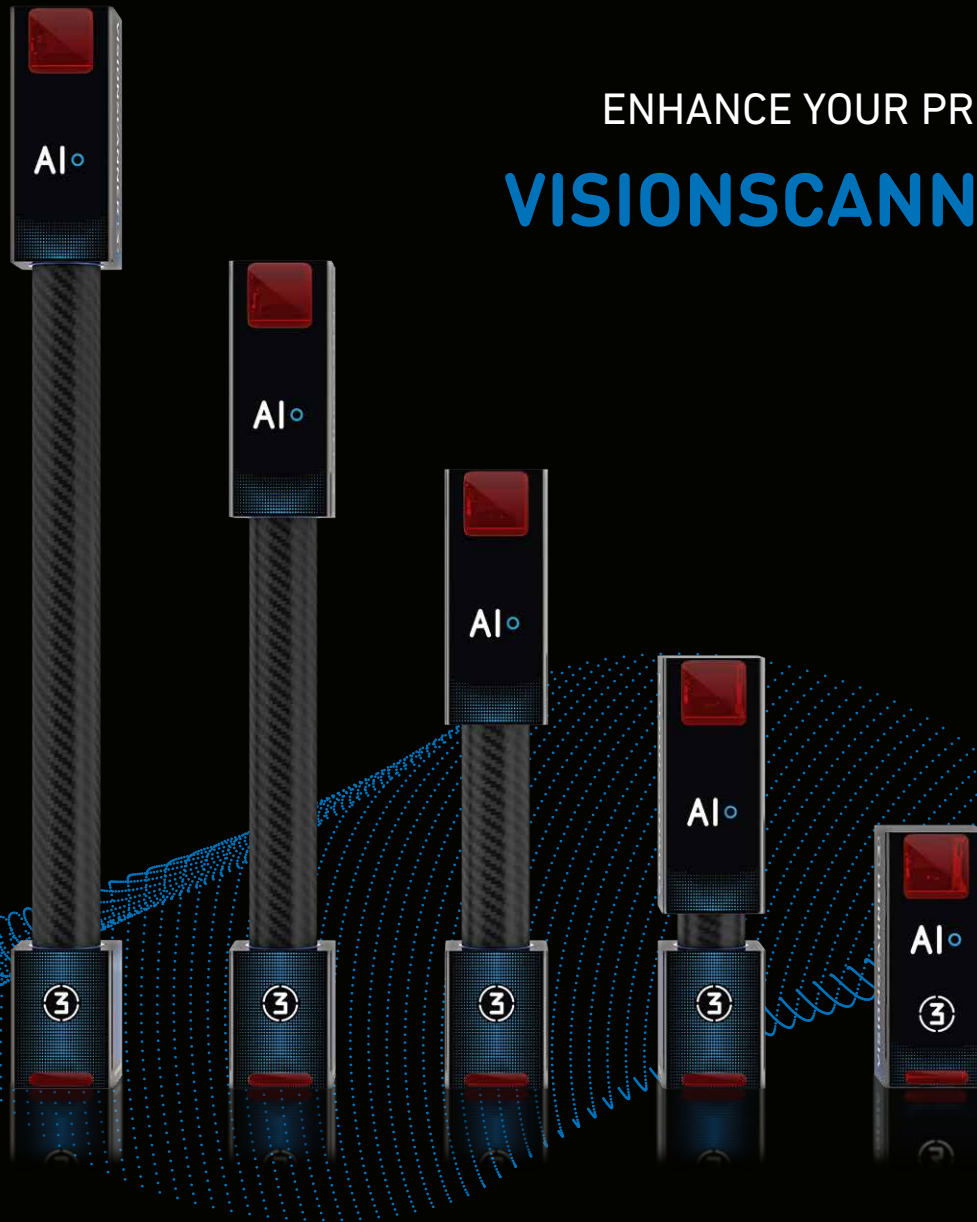




ENHANCE YOUR PRODUCTION  
**VISIONSCANNER 3**

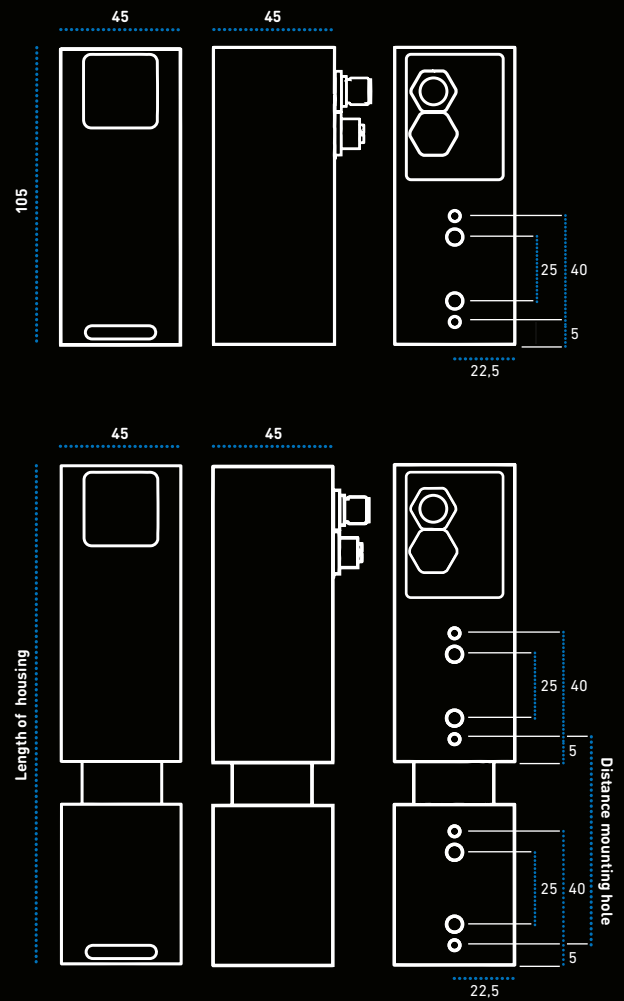
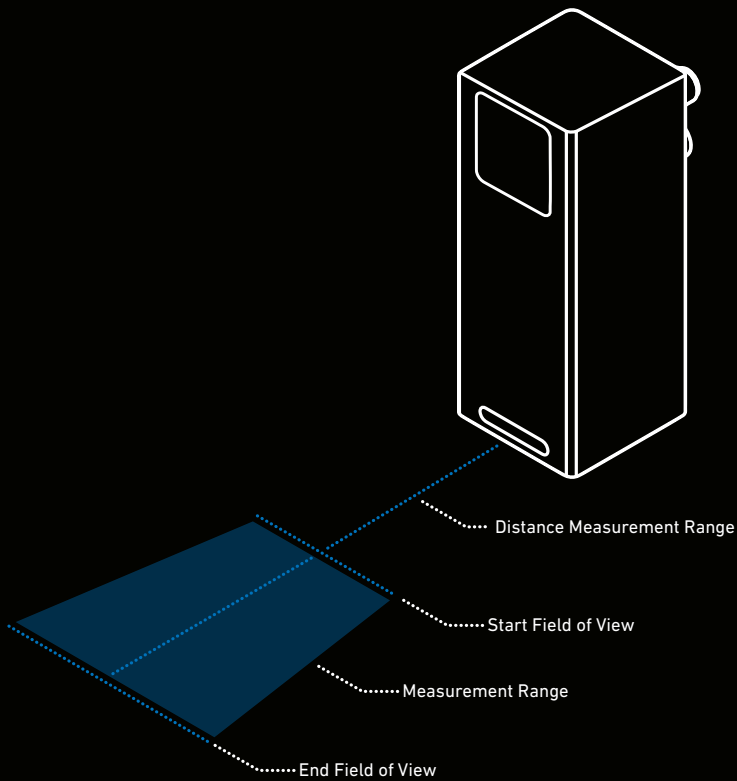


**VISIONSCANNER 3** is the triangulation sensor for smart production environments.

It can be used very economically and efficiently in a wide range of applications through its measuring ranges from 80 to 1200 mm, measuring frequencies up to 1000 Hz and an integrated processor. In connection with the software **VISIONELEMENTS3** from AI it is specifically adapted to operations with industrial robots.

**FIELD OF APPLICATIONS:**

- o Robot guidance for quality improvements
- o Robot guidance for material handling
- o Real time robot guidance for path applications for quality improvements
- o Inspection in single part or mass production
- o Vehicle manufacturing: body in white & final assembly (forming, adhesive application, welding, assembly, casting, ...)
- o Packaging industry (inspection, fill level, dimensions, ...)
- o Tire and wood industry



| TYPE                          | 80   | 200  | 400  | 800  | 1200 |
|-------------------------------|--|------|------|------|------|
| LENGTH OF HOUSING (mm)        | 105  | 215  | 315  | 465  | 615  |
| DISTANCE MOUNTING HOLE        | -  | 110  | 210  | 360  | 510  |
| MEASURING FREQUENCY (Hz)      | 200 Hz at full usage of measuring range, up to 1000 Hz with 10% usage of measuring range |      |      |      |      |
| LASER CLASS                   | 2  | 3R   | 3R   | 3B   | 3B   |
| OPTICAL POWER (mW)            | 18   | 43   | 66   | 100  | 100  |
| DIST. MEASUREMENT RANGE (mm)  | 73   | 198  | 264  | 480  | 702  |
| MEASUREMENT RANGE (mm)        | 78   | 201  | 405  | 815  | 1297 |
| RESOLUTION MEAS. RANGE (mm)   | 0,07   | 0,19 | 0,38 | 0,75 | 1,20 |
| START FIELD OF VIEW (mm)      | 52   | 117  | 217  | 351  | 488  |
| CENTER FIELD OF VIEW (mm)     | 64   | 149  | 304  | 535  | 789  |
| END FIELD OF VIEW (mm)        | 75   | 182  | 390  | 719  | 1090 |
| RESOLUTION FIELD OF VIEW (mm) | 0,04   | 0,10 | 0,21 | 0,37 | 0,55 |

|                       |   |
|-----------------------|---|
| SENSOR TECHNOLOGY     | CMOS sensor   |
| PROFILE RATE          | 200 - 1.000 Hz  |
| MEASURING ACCURACY    | +/- 0.2% of the measuring range, depending on geometry & surface      |
| LIFE TIME LASER DIODE | > 40.000 h  |
| ETHERNET              | Gigabit Ethernet 10/100/1000 Mbit, Half-/Full duplex, Autonegotiation |
| POWER SUPPLY          | 24 V DC, max 400 mA   |

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| DIMENSIONS                          | 45 x 45 x length of housing in mm     |
| WEIGHT                              | ca. 400g                              |
| PROTECTION CLASS                    | IP 64                                 |
| HOUSING                             | Aluminium, anodized                   |
| ENVIRONMENTAL CONDITIONS (STORAGE)  | -20° to 60° C, max. 90% rel. humidity |
| ENVIRONMENTAL CONDITIONS (IN USAGE) | 0 to 55° C, max. 80% rel. humidity    |