



ENHANCE YOUR PRODUCTION **VISIONSCANNER 4**

VISIONSCANNER 4 is the laser triangulation sensor for smart production environments.

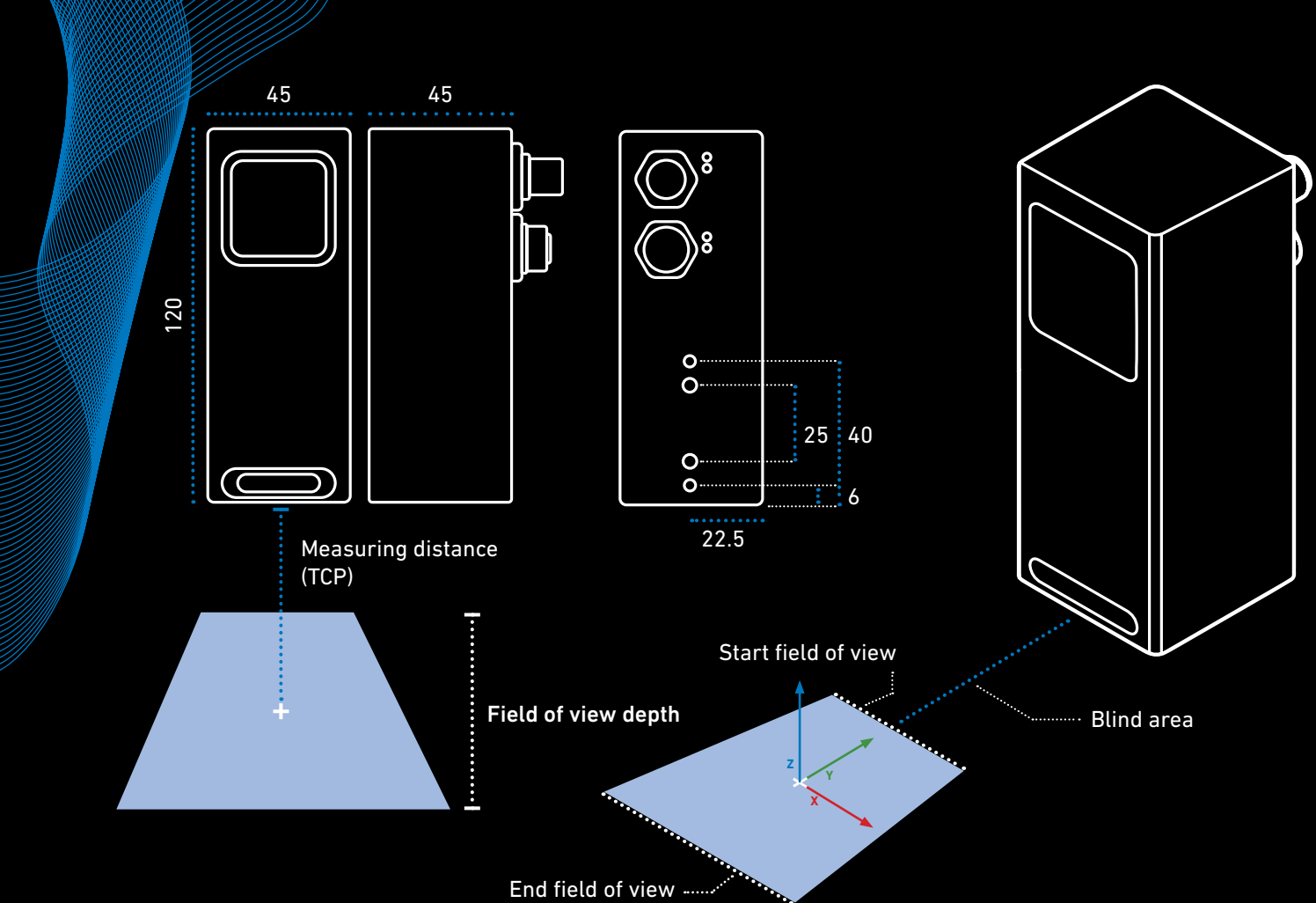
With measuring ranges from 45 to 240 mm, measuring frequencies up to 1,000 Hz and an integrated processor, it can be used cost-effectively and efficiently in a wide range of applications. The VISIONSCANNER4 is available with both red and blue lasers, allowing flexible adaptation to specific measurement requirements. In combination with the VISIONELEMENTS3 software from AI, it is specially designed for use on industrial robots.

FUNCTIONS

- Position tolerance compensation in 3D and 6D
- Robot guidance for quality improvement
- Robot guidance for task handling
- Glue bead inspection
- Presence check

INDUSTRIES

- Automotive
Bodyshop, final assembly and battery manufacturing
- Machine industry
- Packaging industry
- Lumber industry
- Pharmaceutical industry and medical devices



SPECIFICATIONS OF THE VISIONSCANNER ④ MODELS

| TYPE | | 45 | 85 | 240 |
|--------------------------|-------|------------|------------|------------|
| Measuring frequency | Hz | up to 1000 | up to 1000 | up to 1000 |
| Measuring distance (TCP) | mm | 75.5 | 112.5 | 203 |
| Blind area | mm | 53 | 70 | 83 |
| Field of view depth | mm | 45 | 85 | 240 |
| Resolution (depth) | mm/px | 0.04 | 0.07 | 0.22 |
| Start field of view | mm | 40 | 60 | 92 |
| End field of view | mm | 50 | 85 | 215 |
| Resolution (width) | mm/px | 0.03 | 0.04 | 0.07 |

All models are available with blue or red laser.

GENERAL SPECIFICATIONS

| | | | |
|-----------------------|--|-------------------------------------|---|
| Sensor technology | CMOS sensor | Dimensions | 45 x 45 x 120 mm |
| Measuring accuracy | $\varnothing \pm 0.1$ mm depending on sensor type, part geometry and surface | Weight | approx. 400 g |
| Life time laser diode | 40,000 h | Protection class | IP 64 |
| Laser class | 2 | Housing | Aluminium, anodized |
| Optical power | 15 mW | Environmental conditions (storage) | -20 to 60 °C, max. 90 % relative humidity |
| Ethernet | Gigabit Ethernet 10/100/1000 Mbit, Half-/Full duplex, Autonegotiation | Environmental conditions (in usage) | 0 to 45 °C, max. 80 % relative humidity |
| Power supply | 24V DC, max. 400 mA | Certifications | CE, UL |
| Wavelength | Red laser 660nm, blue laser 405nm | | |