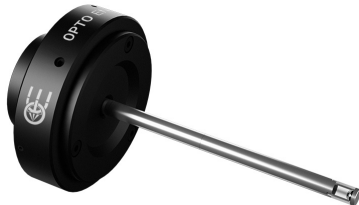


PCBPN013 | DATASHEET

Boroscopic probe for 1/3" detectors, probe diameter 4 mm



PATENTED

SPECIFICATIONS

Optical specifications

Image circle	(mm)	3.4
Max sensor size		1/3" ^a
Viewing angle	(°)	65
wf/N^1		30
Focusing		Manual

Mechanical specifications

Mount		C
Phase adjustment		No
Probe length	(mm)	66.8
Total length ²	(mm)	81.1
Probe diameter	(mm)	4
Mass	(g)	80

¹ working f/N : the real f/N of a lens in operating conditions.

² Measured from the front end of the mechanics to the camera flange.

^a Recommended use of a 1/2" sensor as the image may be decentered

KEY ADVANTAGES

Inspection of cavities from inside

Hidden internal features and defects are clearly viewed

High resolution

The catadioptric design enables the detection of tiny defects over a very wide view angle

Flaw detection

Coarse deformations revealed using direct illumination

Surface defect enhancement

Mixing direct and indirect illumination makes it possible to emphasize tiny and scarcely visible defects.

Small diameter inspection

Now down to 5.5 mm

PCBP probes are used to inspect holed objects such as engine parts, containers and tubes whose hidden features can only be controlled by introducing a probe into the cavity.

FIELD OF VIEW

Diameter x Height	(mm x mm)
Minimum	5.5 x 2.8
Maximum	25.0 x 15.0

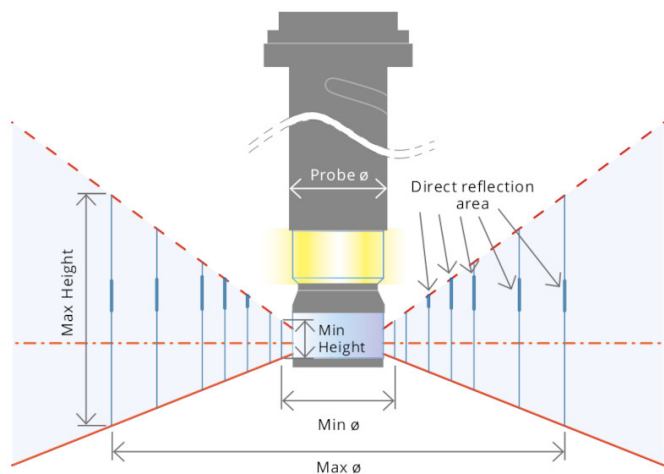
COMPATIBLE PRODUCTS

Full list of compatible products available [here](#).

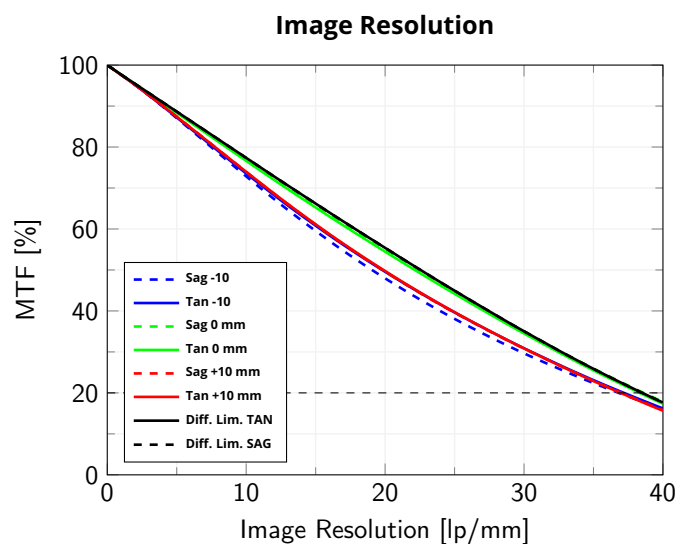

A wide selection of innovative machine vision components.

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WORKING PRINCIPLE AND FOV OF PCBP LENSES



DATA WITH CAVITY DIAMETER OF 40MM



Modulation Transfer Function (MTF) vs. Image Resolution, wavelength range 486 nm - 656 nm. Fields in legend are represented as distance from the center of the broscope tip