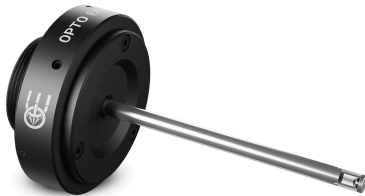


# PCBPN013 | DATASHEET

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



### 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.

### SPECIFICATIONS

#### Optical specifications

Image circle	(mm)	3.4
Min sensor size		1/3" <sup>a</sup>
Viewing angle	(°)	65
$wf/N^1$		30
Focusing		Manual

#### Mechanical specifications

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

<sup>1</sup> working  $f/N$ : the real  $f/N$  of a lens in operating conditions.

<sup>2</sup> Measured from the front end of the mechanics to the camera flange.

<sup>a</sup> Recommended use of a 1/2" sensor as the image may be decentered

### FIELD OF VIEW

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

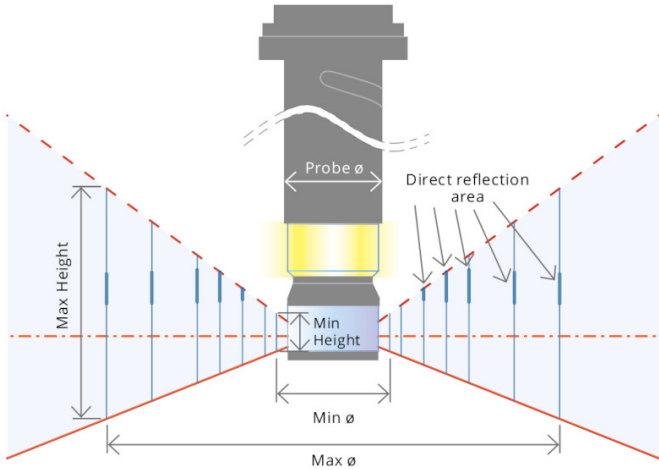
### COMPATIBLE PRODUCTS

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

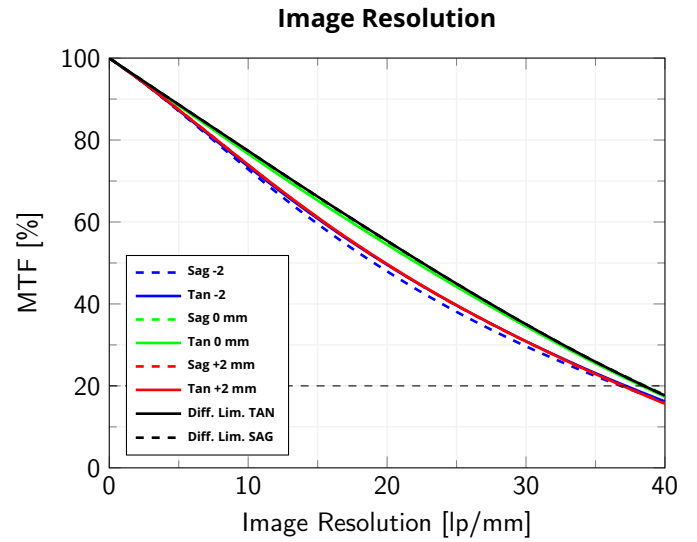


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**WORKING PRINCIPLE AND FOV OF PCBP LENSES**



**DATA WITH CAVITY DIAMETER OF 8MM**



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 boroscope tip

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.