

DPR-1640-NPN-NC

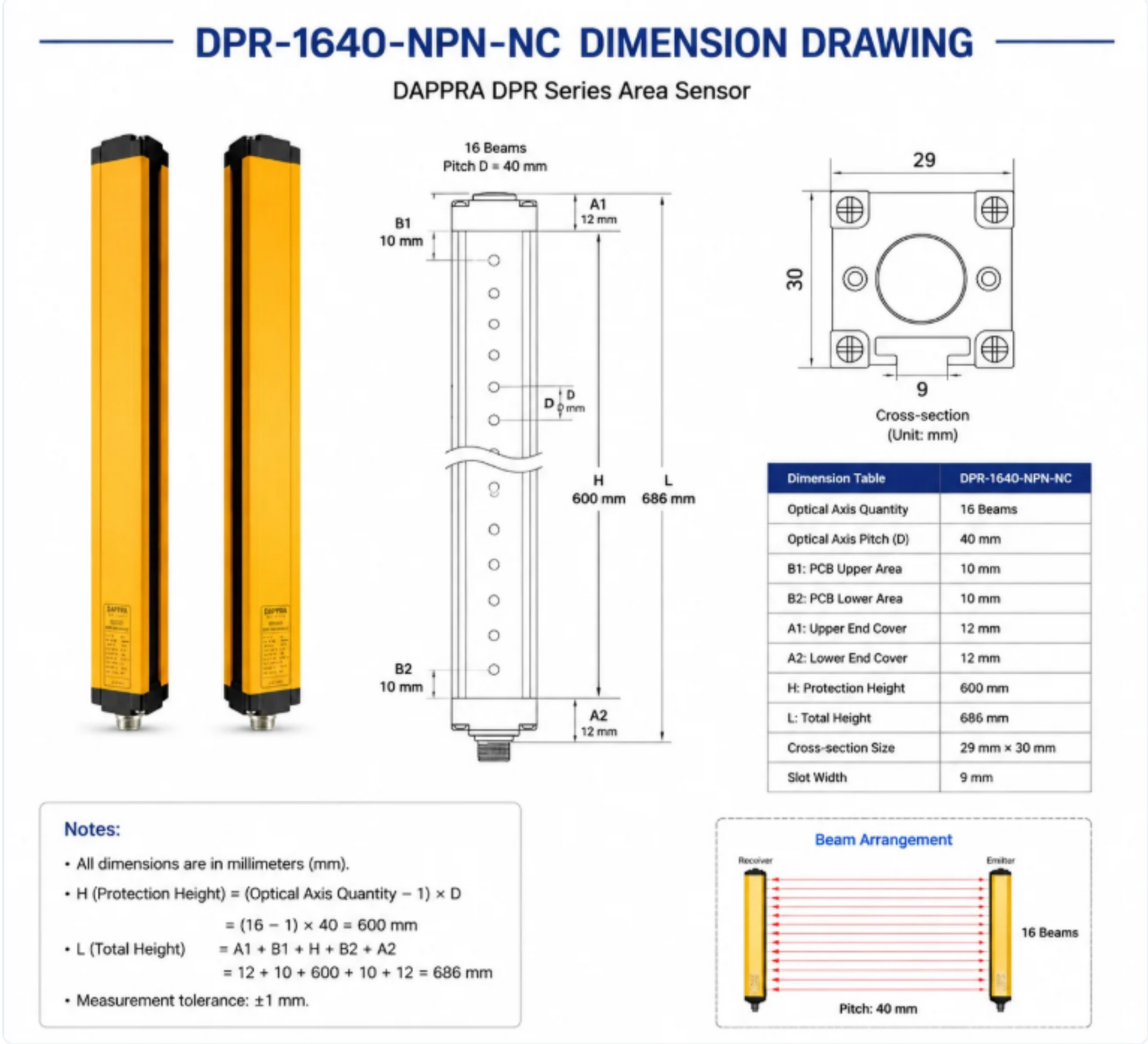
Industrial Area Sensor — Mechanical Dimension Drawing

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DAPPRA Automation — Industrial Sensor Manufacturer

DPR-1640-NPN-NC

Industrial Area Sensor — Mechanical Dimension Drawing



DPR-1640-NPN-NC Main Dimension Drawing (600 mm Protection Height, 686 mm Total Height)

Dimension Table

Dimension Parameter	Value (mm)	Description
Protection Height	600	Active detection area height
Total Height	686	Overall sensor height including brackets
Cross Section	29 x 30	Housing cross-sectional dimensions
A1	9	Top mounting hole position
A2	12	Bottom mounting hole position
B1	20	Mounting bracket width
B2	47	Mounting bracket depth
A3	33	End cap dimension

Note: All dimensions are in millimeters (mm). Tolerance: ±0.5 mm unless otherwise specified. Drawing is for reference only. For detailed installation information, refer to the DPR-1640-NPN-NC Installation Guide.

Cross-Section Detail

The sensor housing features a compact 29 × 30 mm cross-section, designed for easy integration into industrial equipment.

Cross-Section Parameter	Value (mm)
Width	29
Depth	30
Mounting Slot Width	5.5
Mounting Slot Pitch	20

Mounting Hole Positions

A1: 9 mm — Top mounting hole from housing end	A2: 12 mm — Bottom mounting hole from housing end	A3: 33 mm — End cap length
B1: 20 mm — Mounting bracket width	B2: 47 mm — Mounting bracket depth	Pitch: 40 mm — Optical axis pitch between adjacent beams

Drawing References

- Protection Height:** 600 mm — (Beam Quantity - 1) × Optical Axis Pitch = (16 - 1) × 40 mm
- Total Height:** 686 mm — Protection Height + End Cap Dimensions
- Beam Count:** 16 optical beams
- Optical Axis Pitch:** 40 mm

Drawing Information: This CAD drawing is intended for mechanical integration and installation design. For detailed electrical specifications, refer to the DPR-1640-NPN-NC Datasheet. For installation guidance, refer to the DPR-1640-NPN-NC Installation Guide.